Supplement to DHS Working Papers No. 178

A Decomposition of Sources of Change in Population Size and Median Age, 1970–2020

by Thomas W. Pullum Apoorva Jadhav

The figures for all countries and regions in the World Population Prospects 2019 data, contained in this online supplement, may be downloaded as a set of Portable Network Graphic (PNG) images here: https://dhsprogram.com/pubs/pdf/WP178/WP178 png figures.zip

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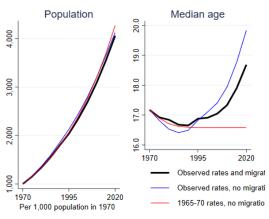
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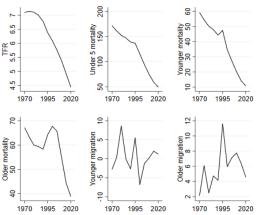
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Change in population and median age: Eastern Africa 1970-2020

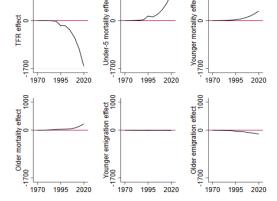


2. Changes in the six components

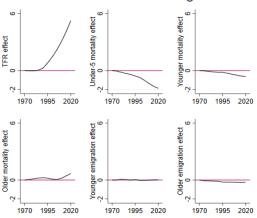




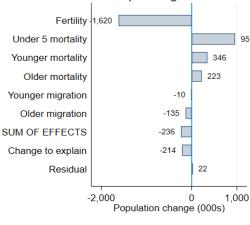
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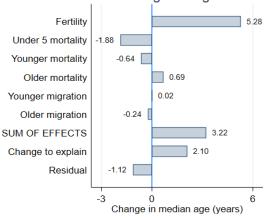
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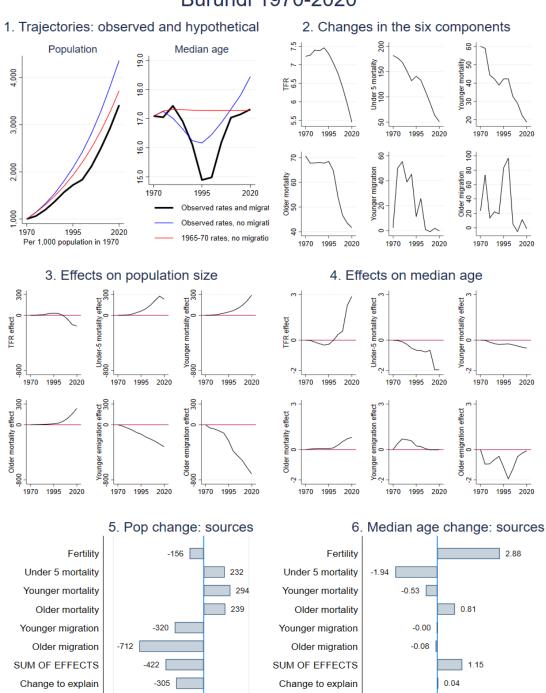




6. Median age change: sources



Change in population and median age: Burundi 1970-2020



Residual

-1.10

Change in median age (years)

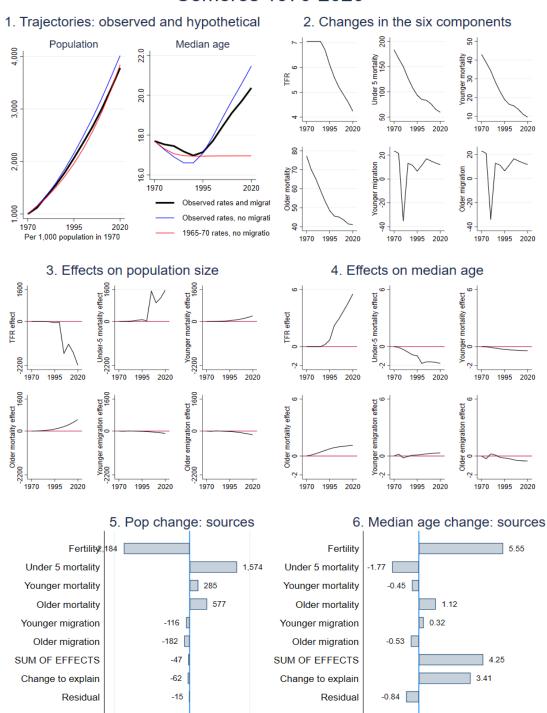
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Population change (000s)

Residual

-1,000

Change in population and median age: Comoros 1970-2020

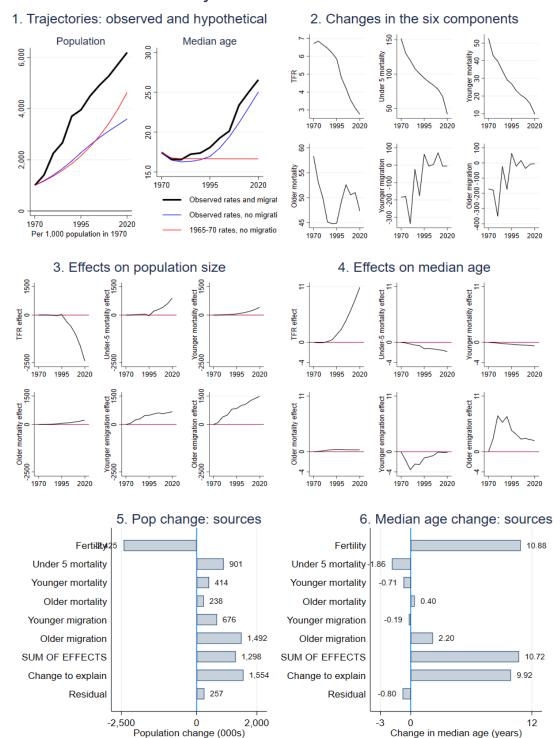


2,000

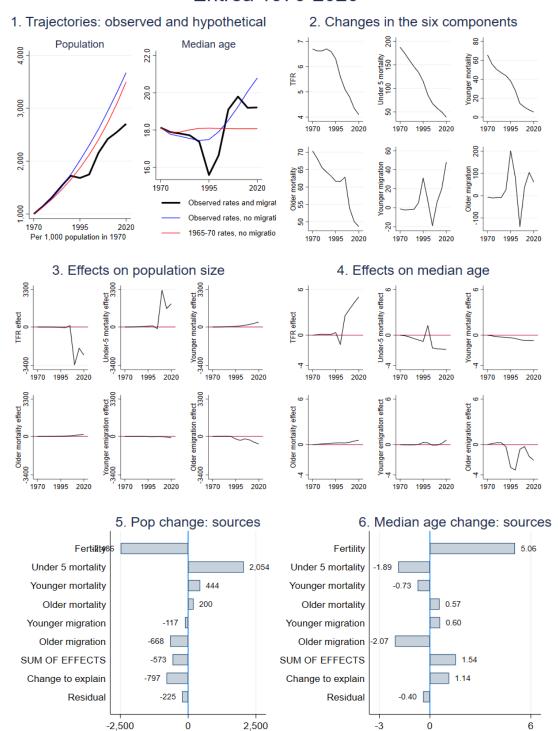
Change in median age (years)

Population change (000s)

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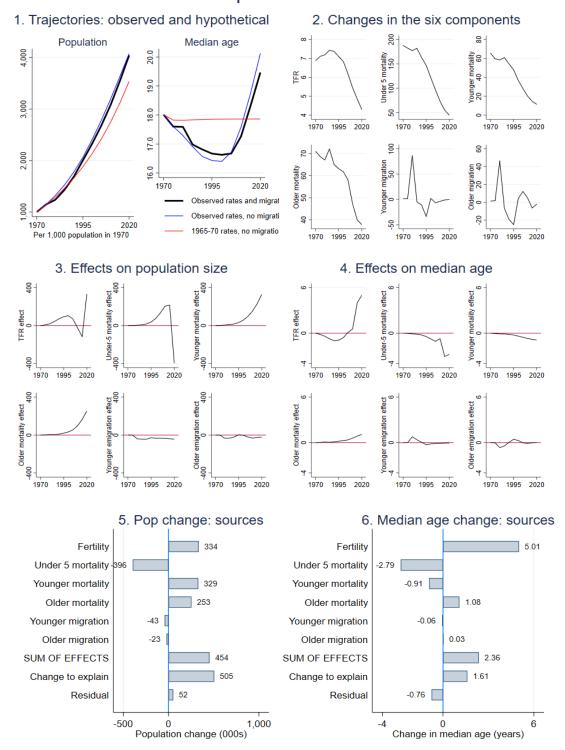
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Change in median age (years)

Population change (000s)

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Change in population and median age: Kenya 1970-2020

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Residual-1.17

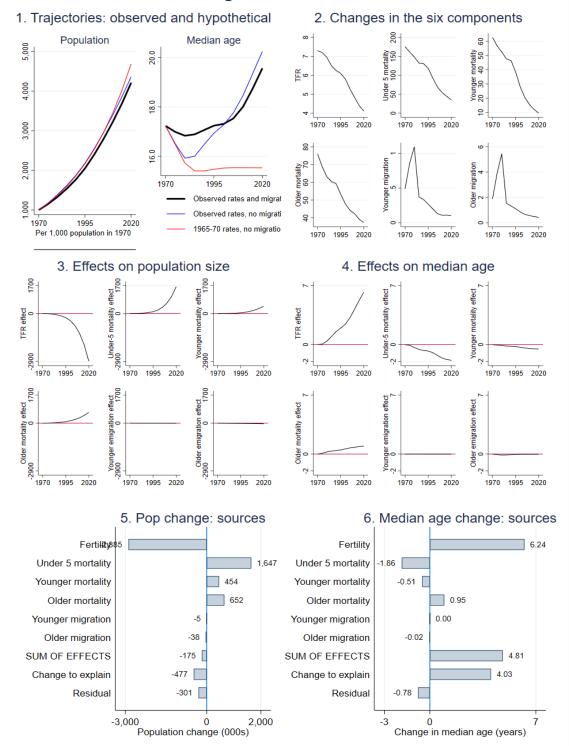
Change in median age (years)

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Population change (000s)

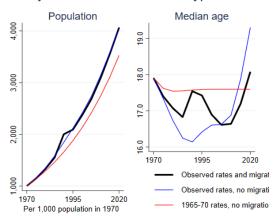
Residual

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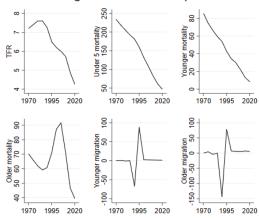


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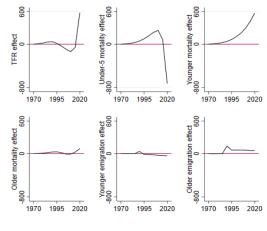
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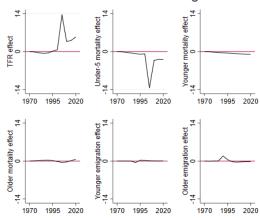
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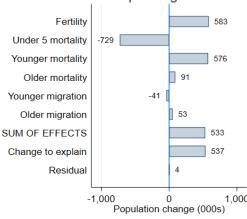
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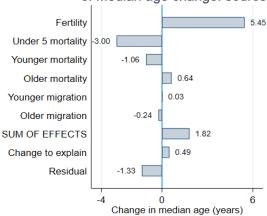
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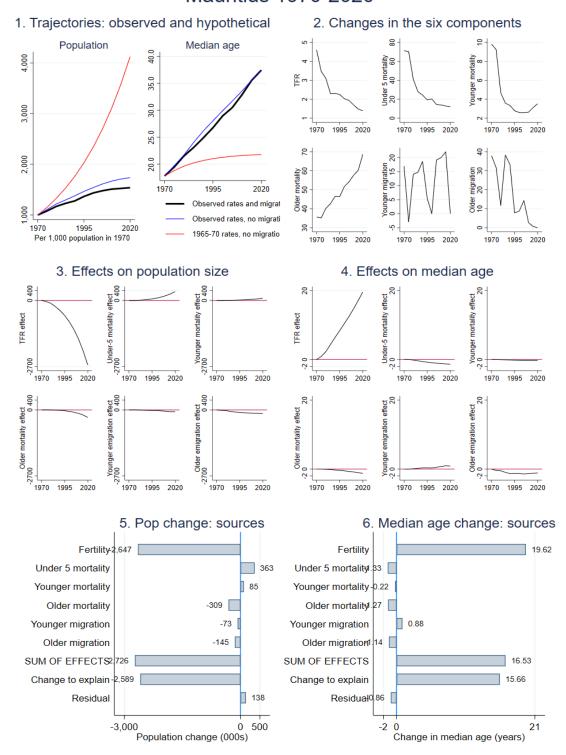
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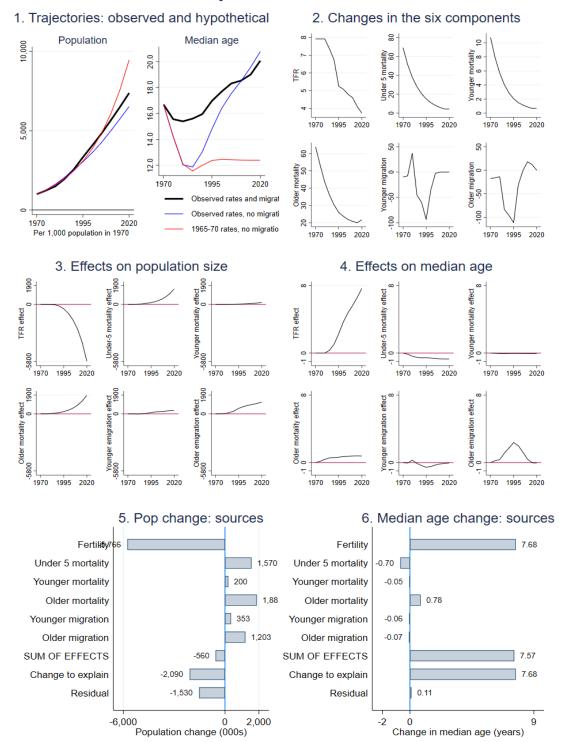
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Change in population and median age: Mauritius 1970-2020



Change in population and median age: Mayotte 1970-2020



Change in population and median age: Mozambique 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age FR 6 18.0 Jnder 100 5.5 . 20 Ju 17.5 1970 1995 1970 1970 1995 2020 1995 150 2,000 tion 100 1970 50g Older 55 6 Observed rates and migrat Observed rates, no migrati 20 1970 1995 2020 1965-70 rates, no migratio 1970 1995 2020 1970 1970 1995 2020 1995 2020 3. Effects on population size 4. Effects on median age 1200 effect 0 TFR 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 v effect 1200 mortality effect Older mortality e Older 1970 1995 2020 1995 2020 1970 1995 5. Pop change: sources 6. Median age change: sources Fertility Fertility Under 5 mortality 1,125 Under 5 mortality -2.22 Younger mortality Younger mortality 351 -0.73 202 0.50 Older mortality Older mortality Younger migration -33 Younger migration 0.00 Older migration -284 Older migration -0.03 SUM OF EFFECTS -148 SUM OF EFFECTS Change to explain -355 0.82 Change to explain

1,500

Residual

-0.34

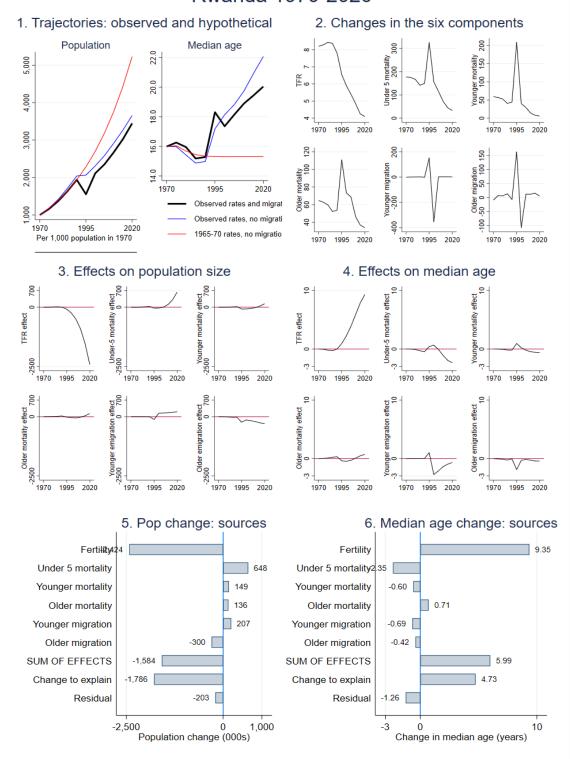
Change in median age (years)

Residual

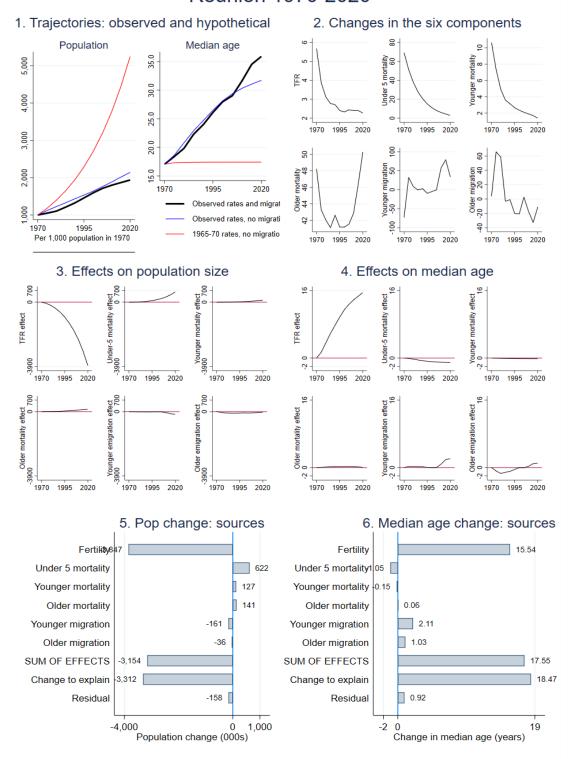
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Population change (000s)

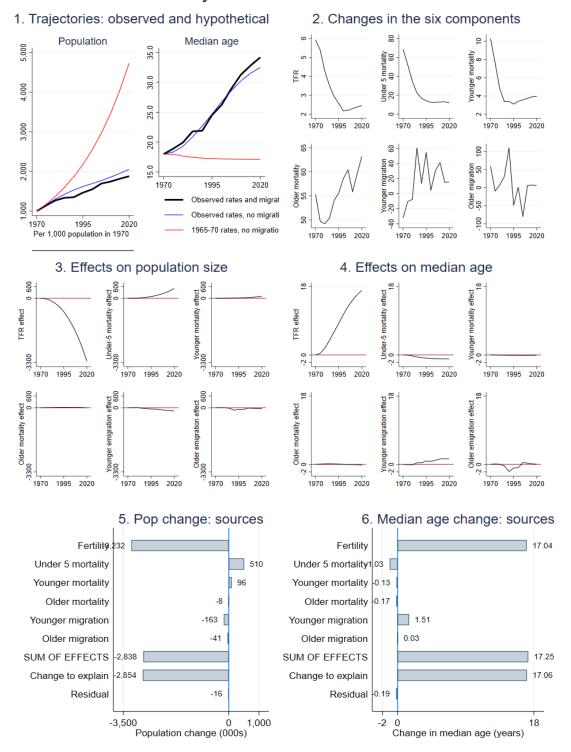
Change in population and median age: Rwanda 1970-2020



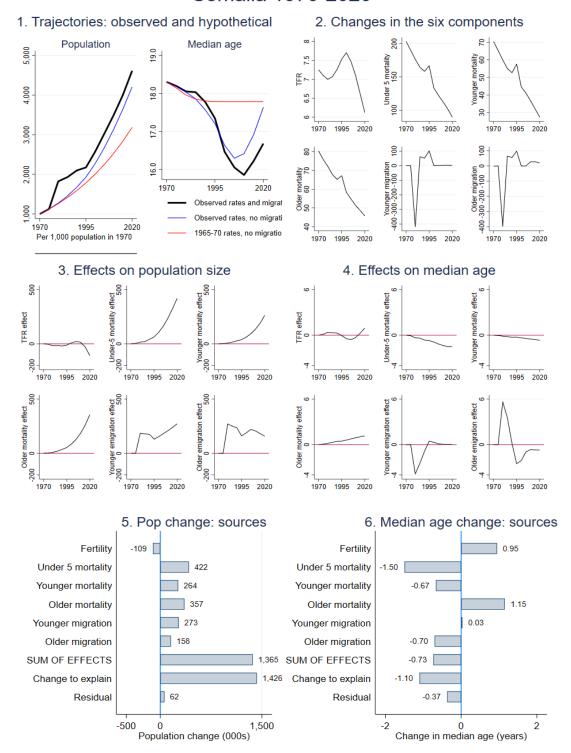
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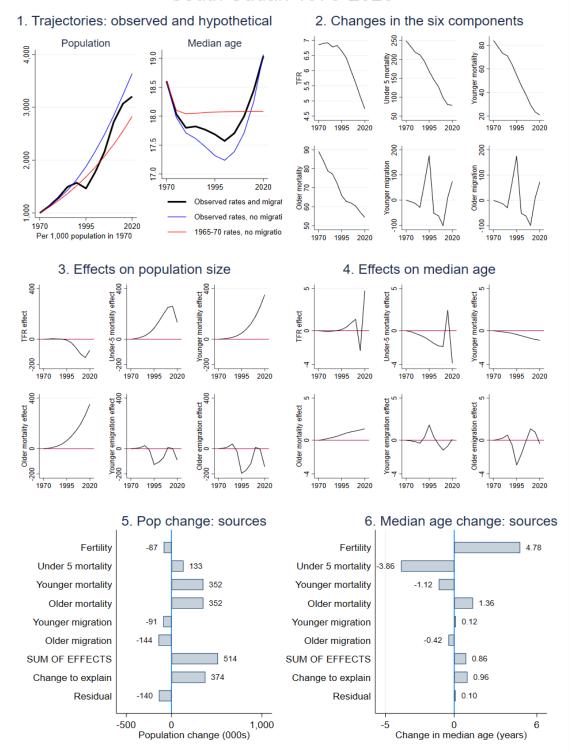
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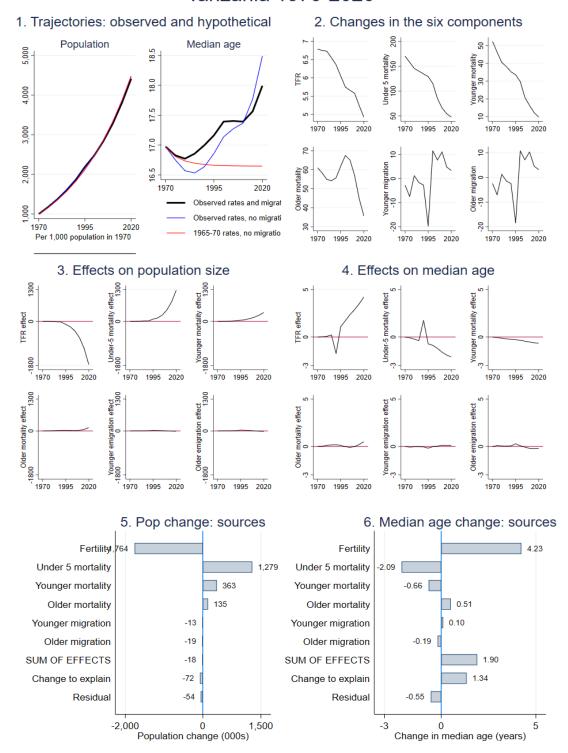
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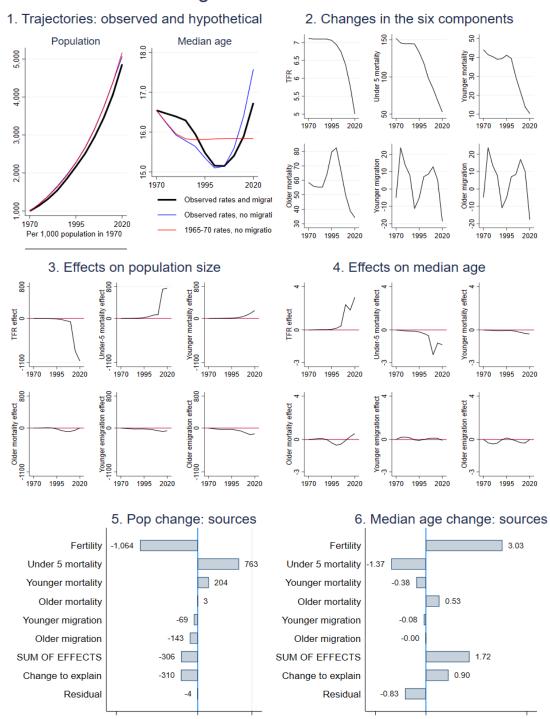
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Change in population and median age: Tanzania 1970-2020



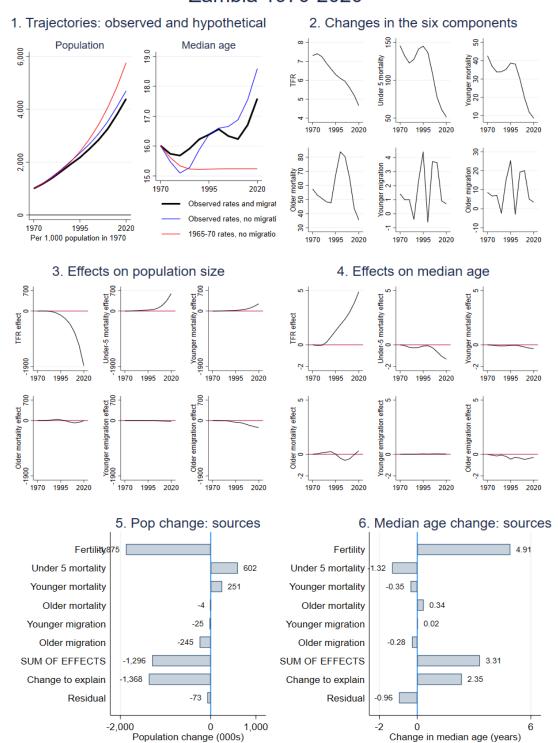
Change in population and median age: Uganda 1970-2020



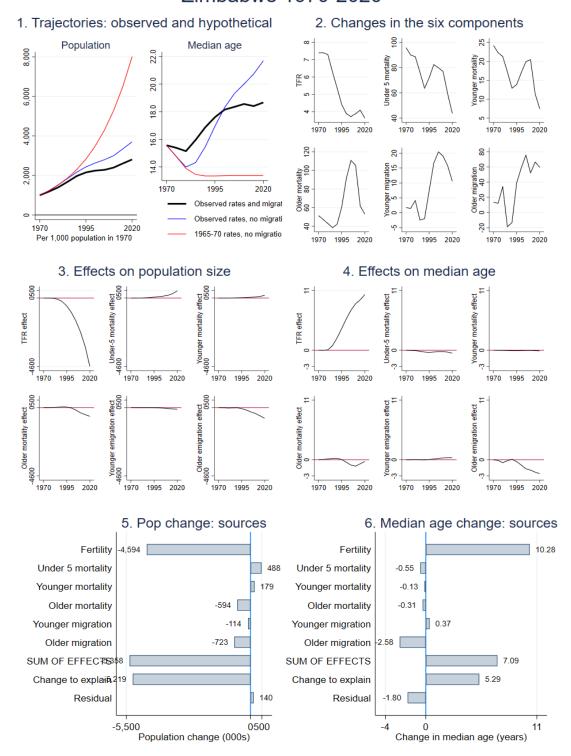
Change in median age (years)

Population change (000s)

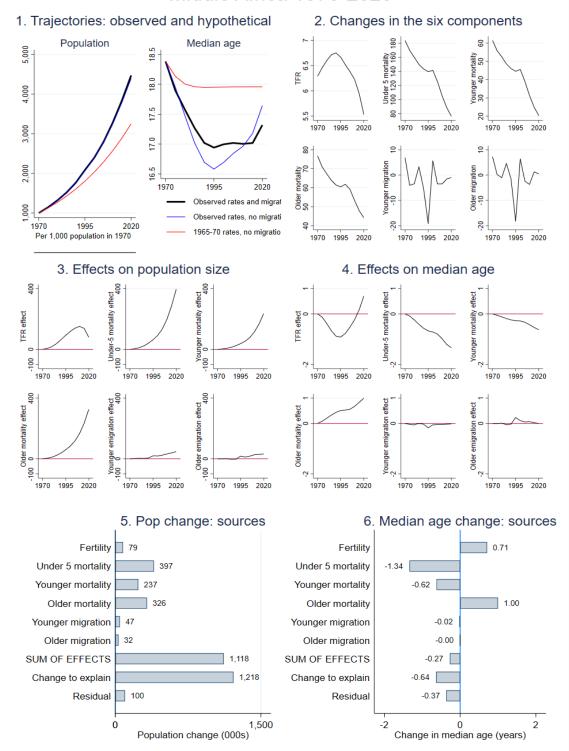
Change in population and median age: Zambia 1970-2020



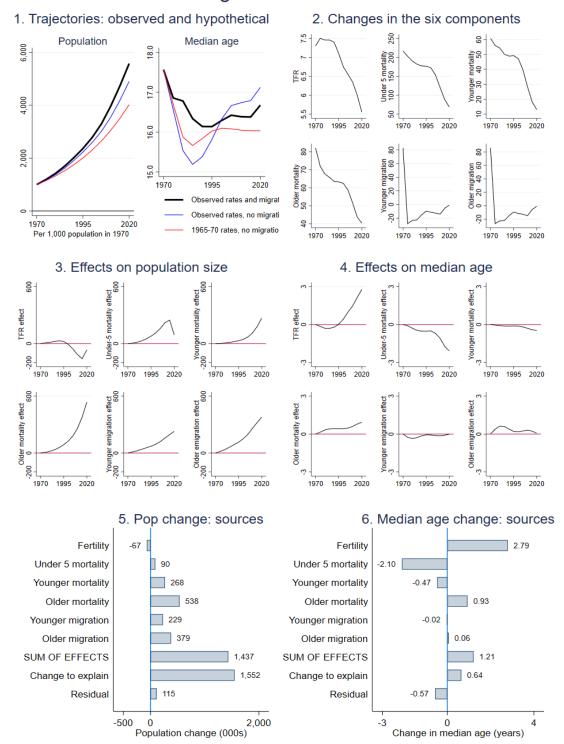
Change in population and median age: Zimbabwe 1970-2020



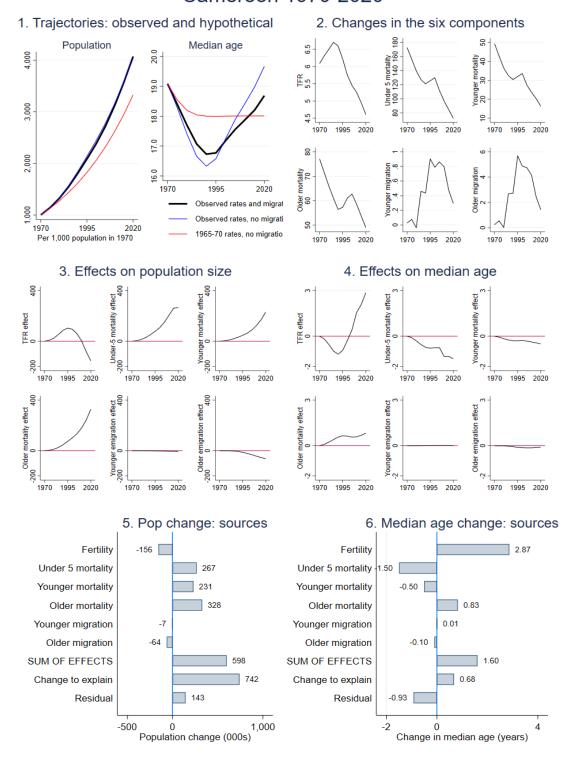
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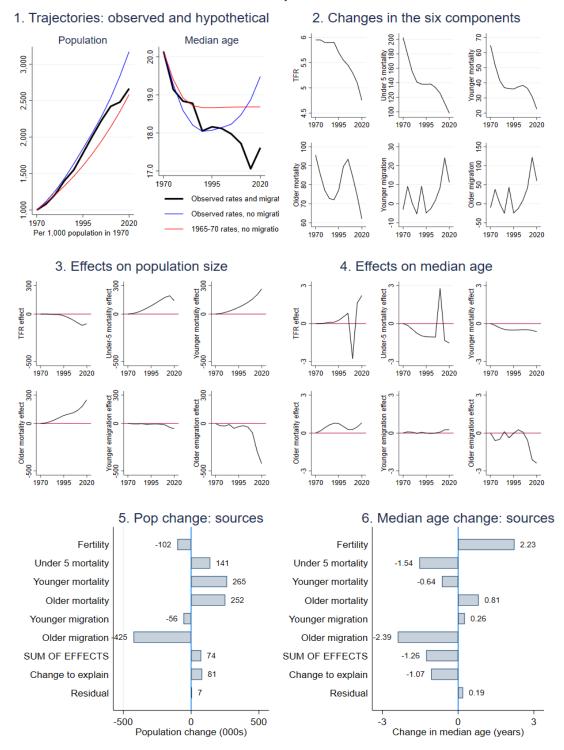
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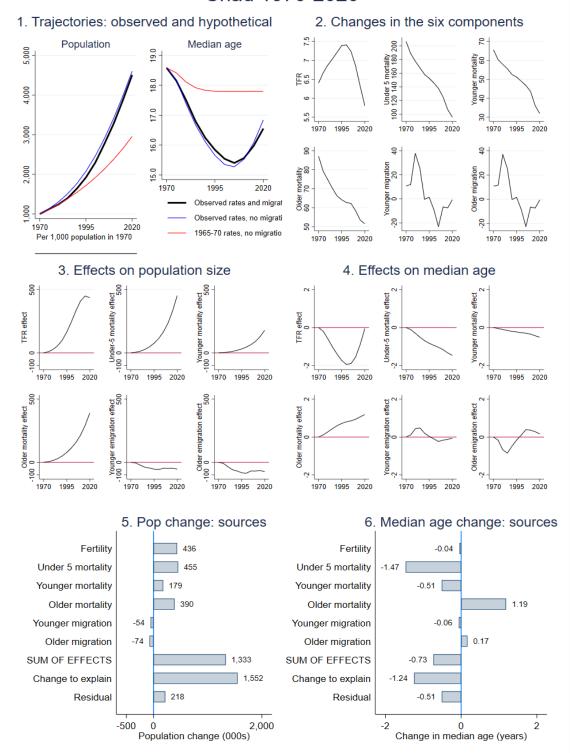
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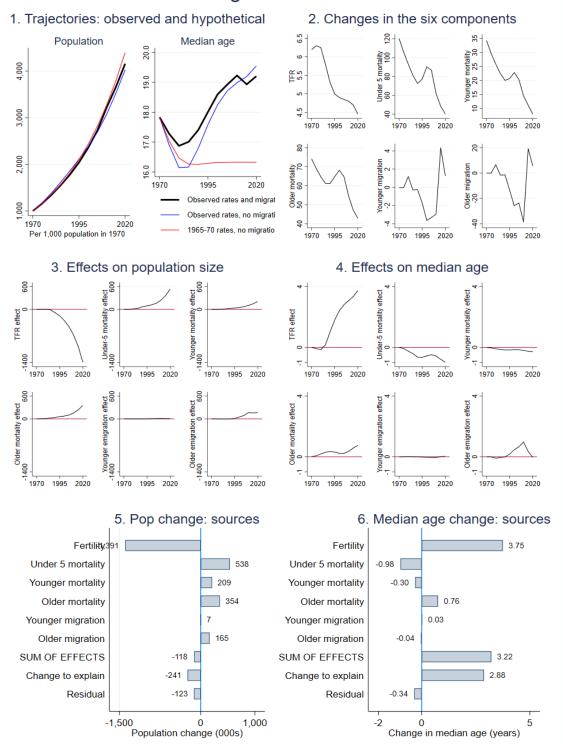
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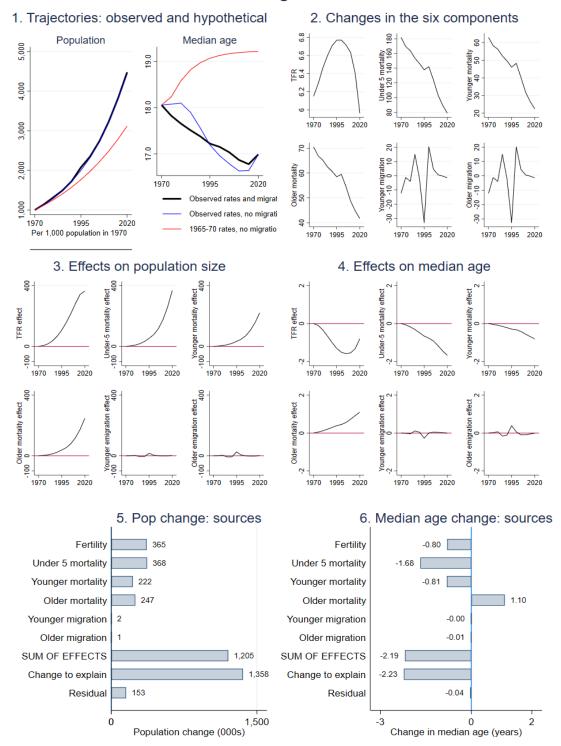
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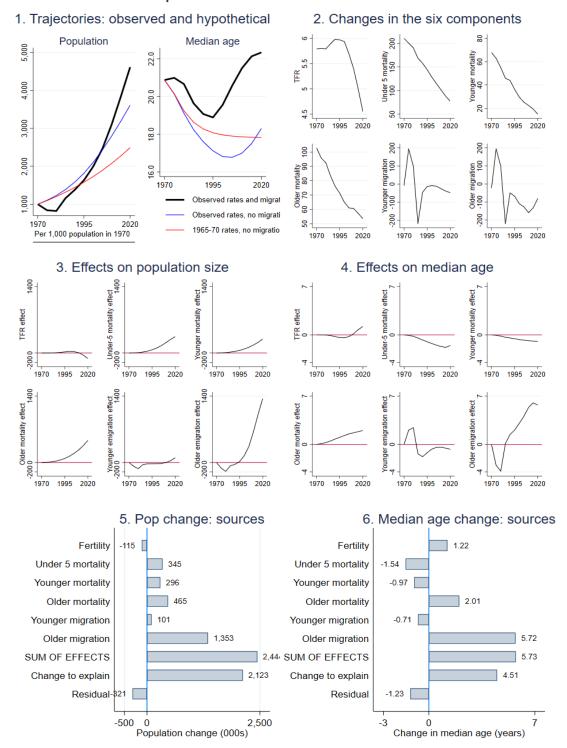
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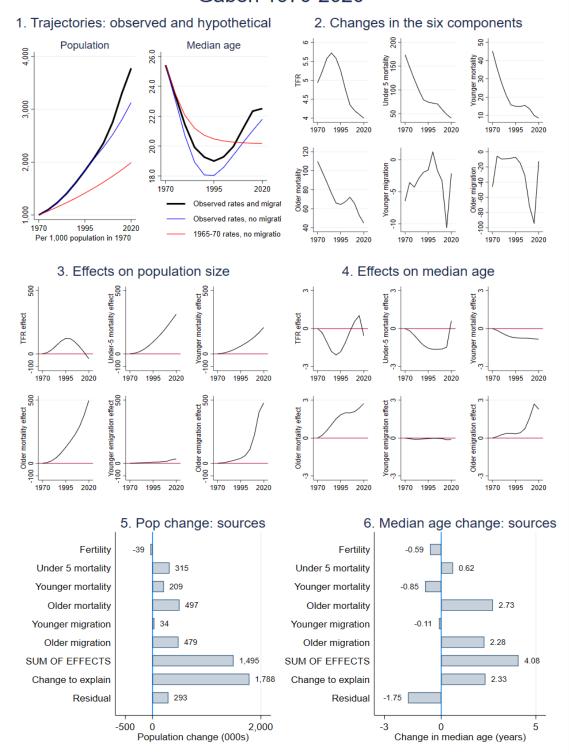
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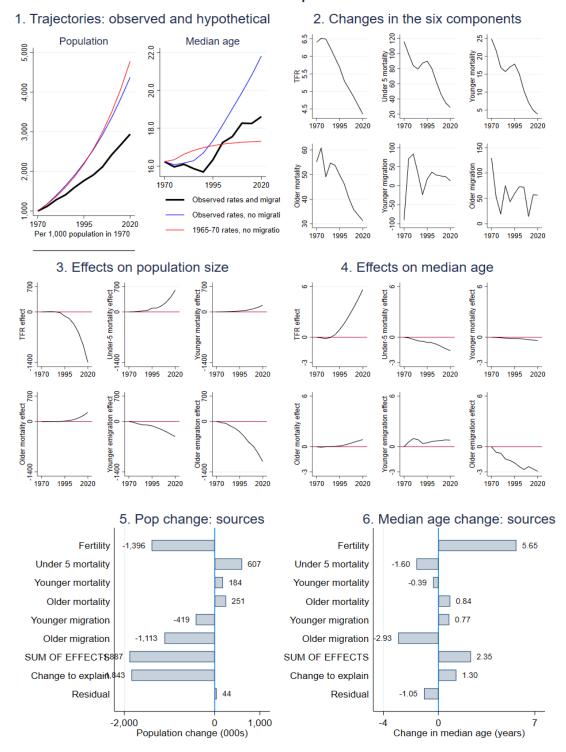
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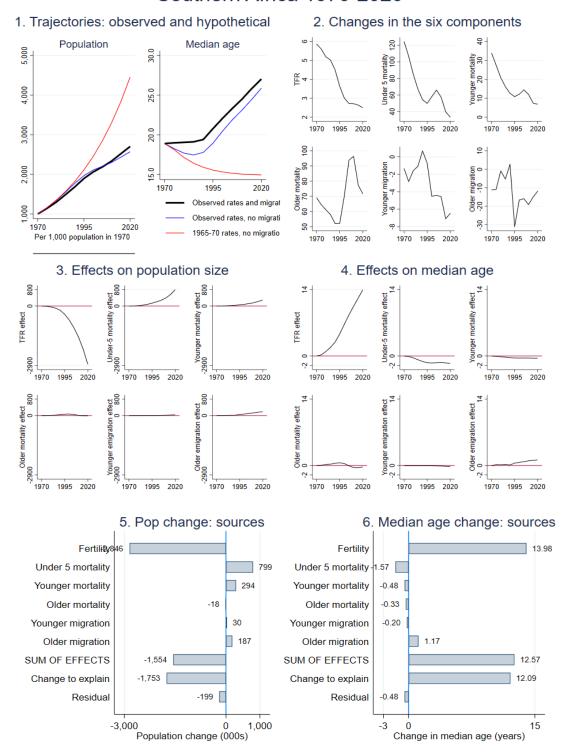
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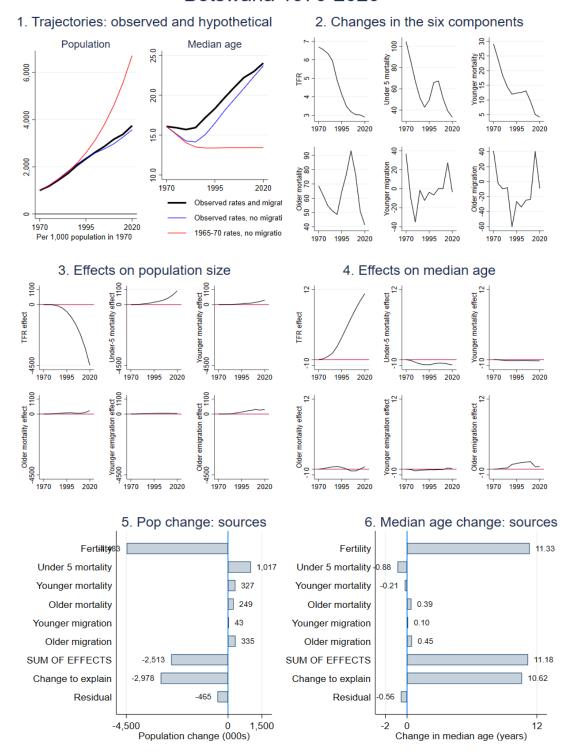
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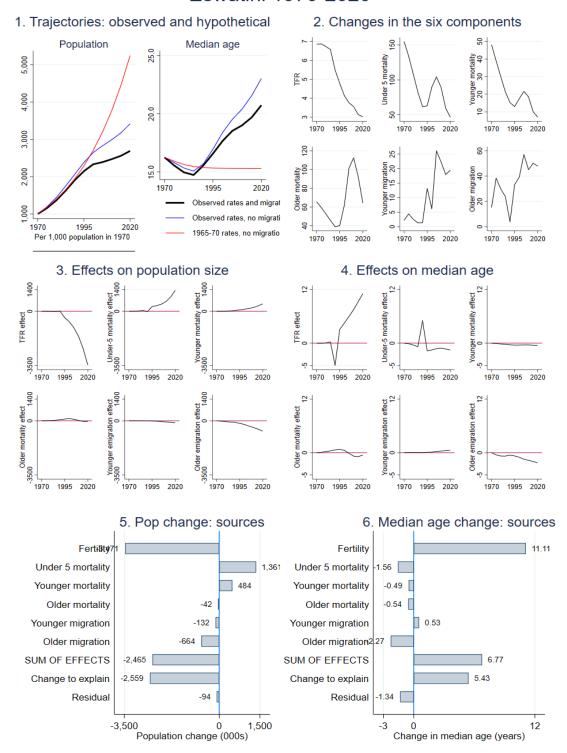
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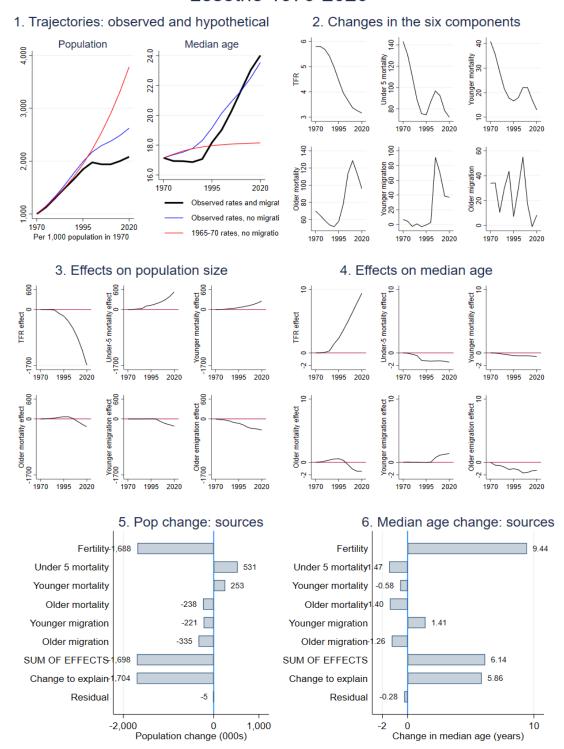
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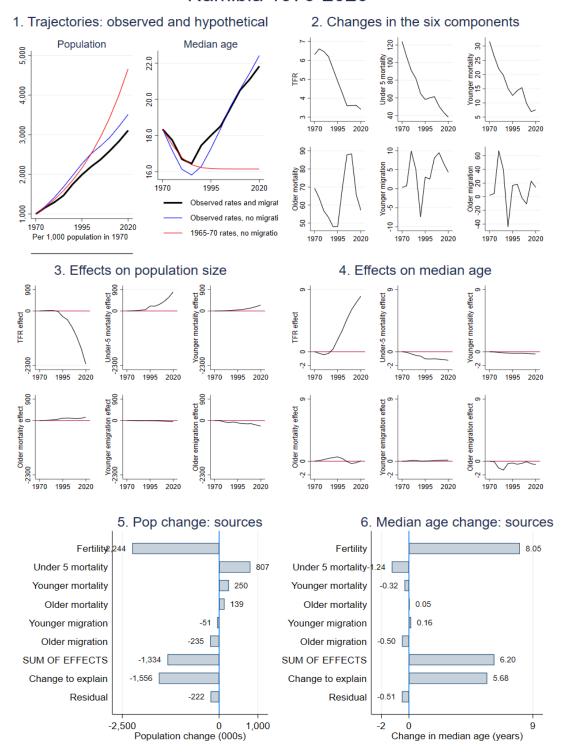
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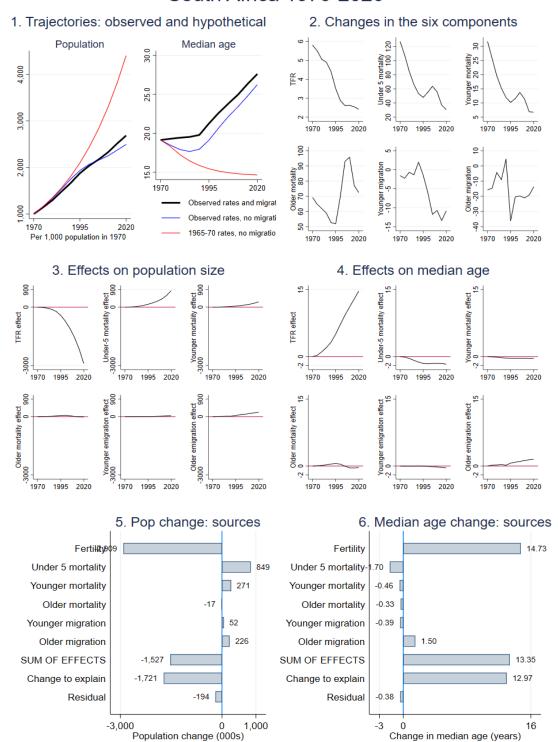
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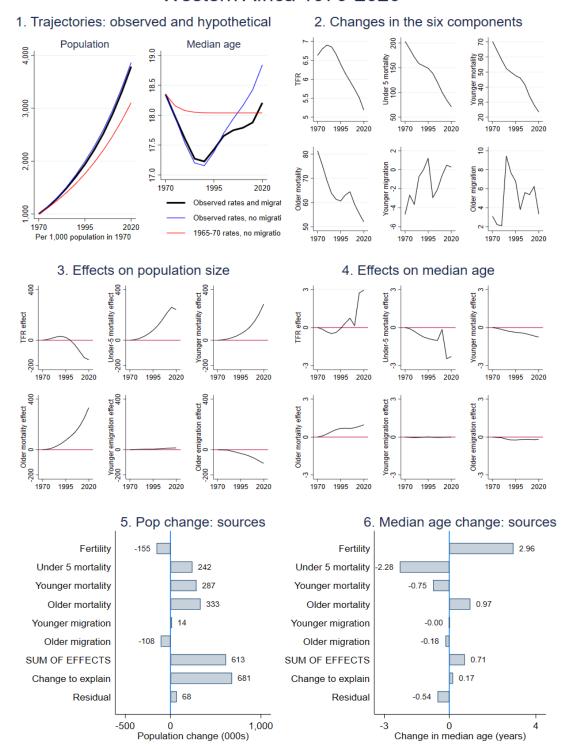
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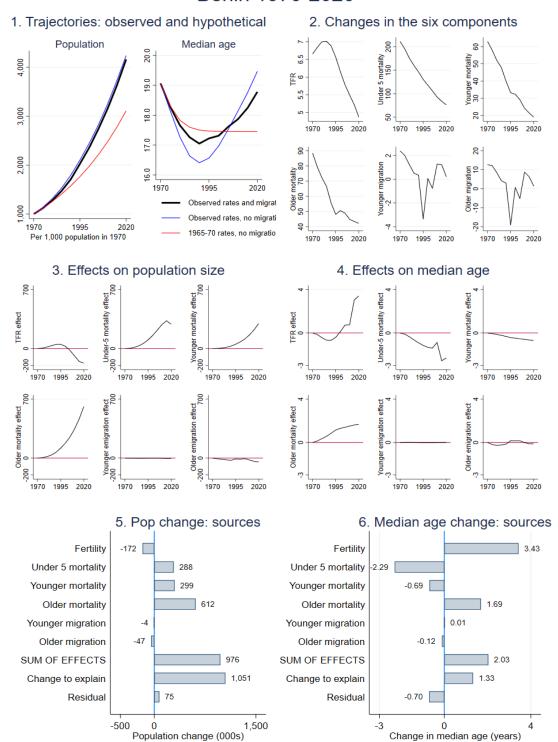
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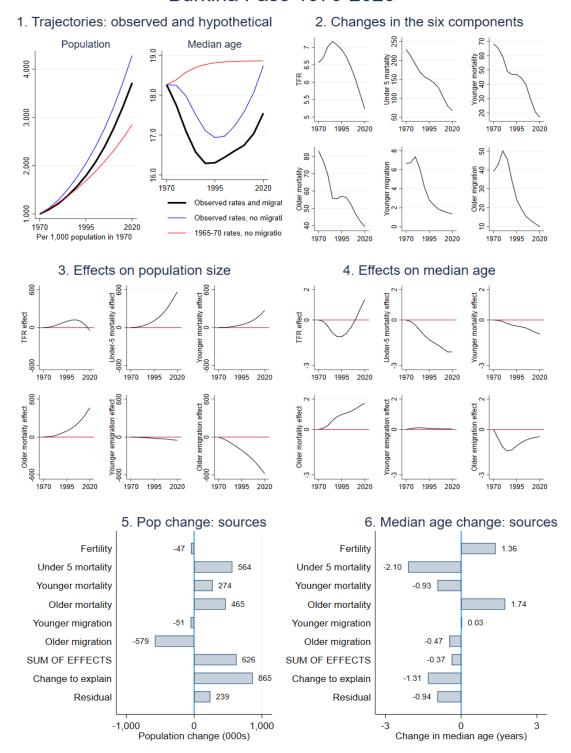
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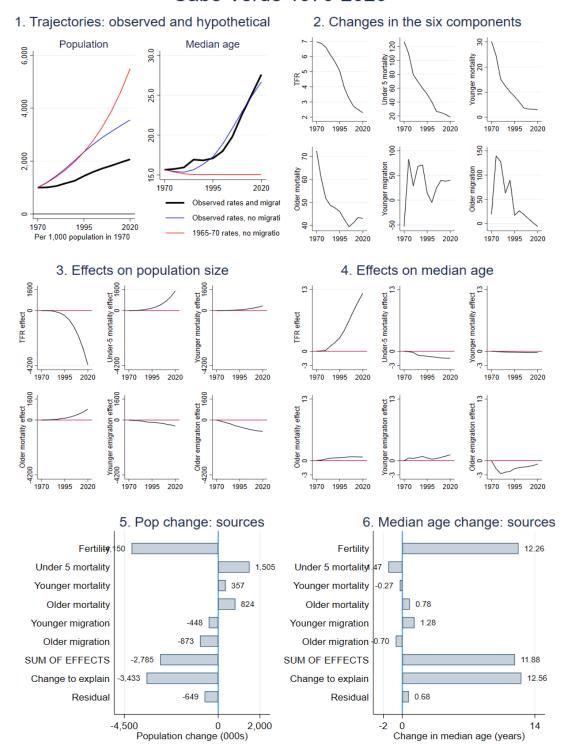
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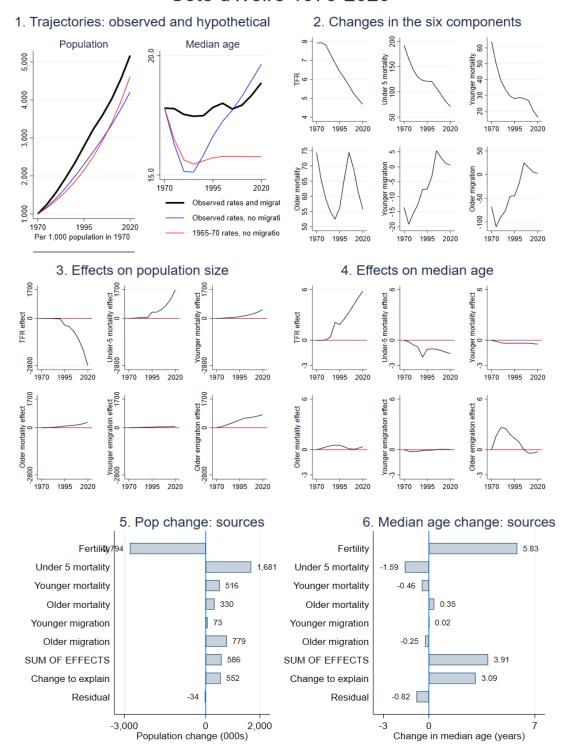
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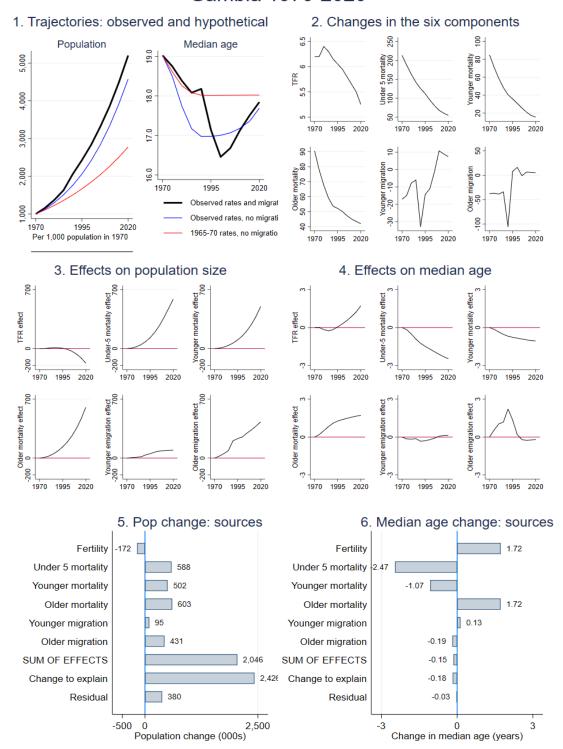
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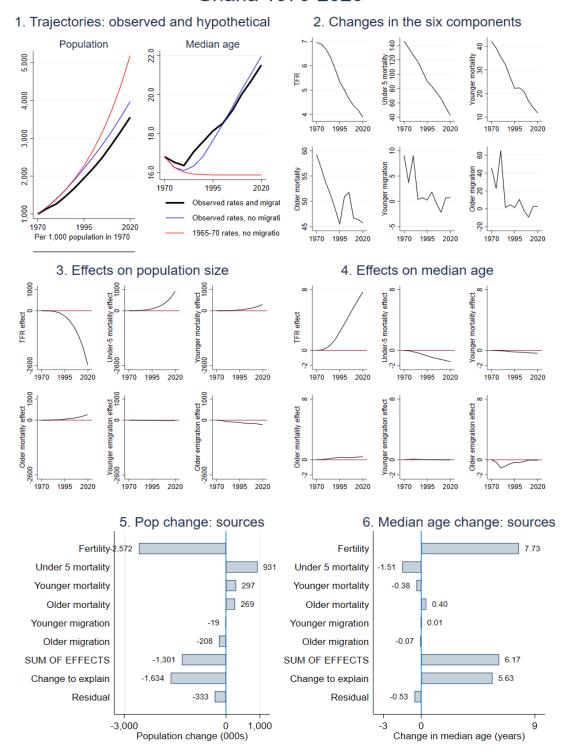
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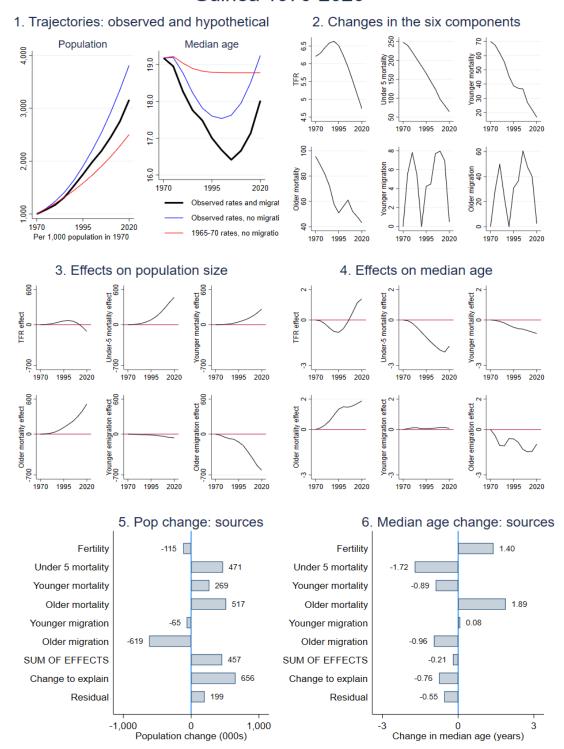
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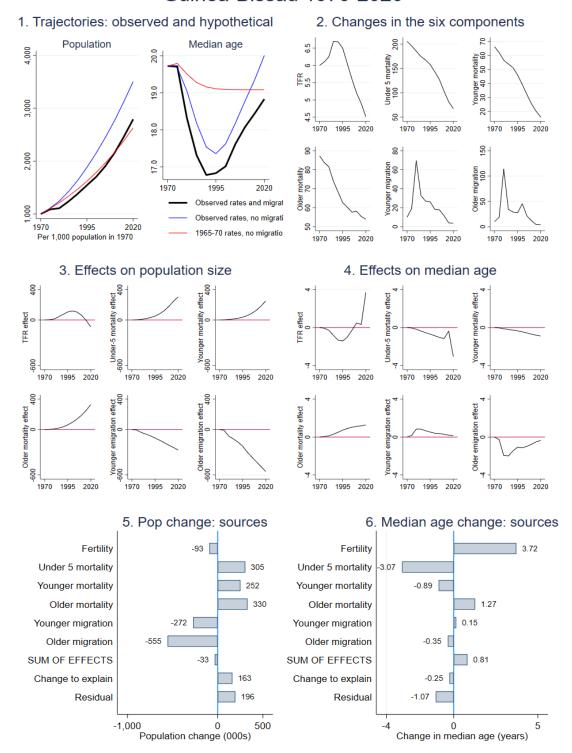
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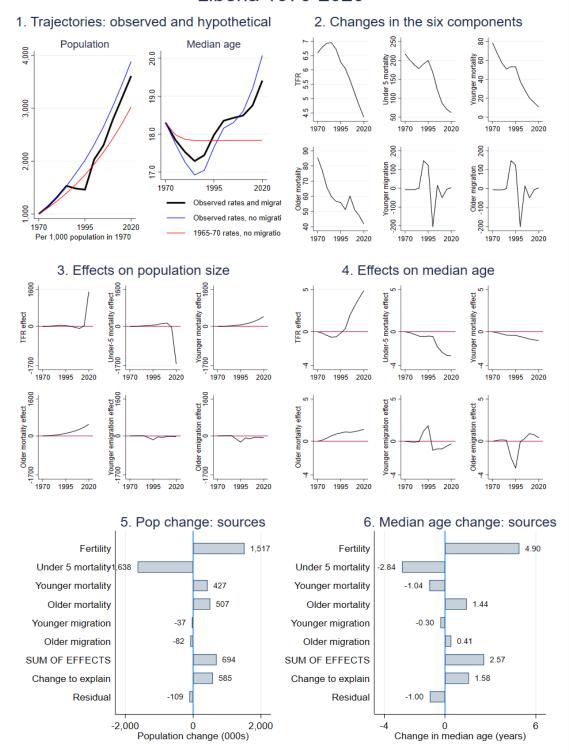
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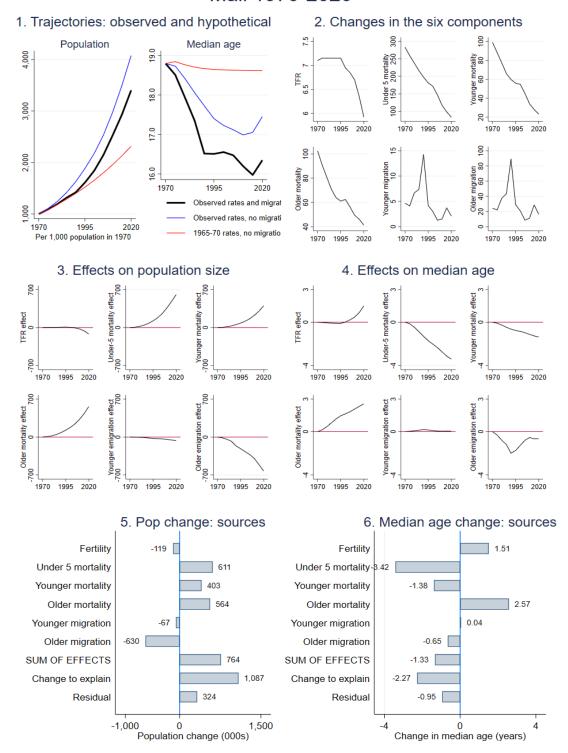
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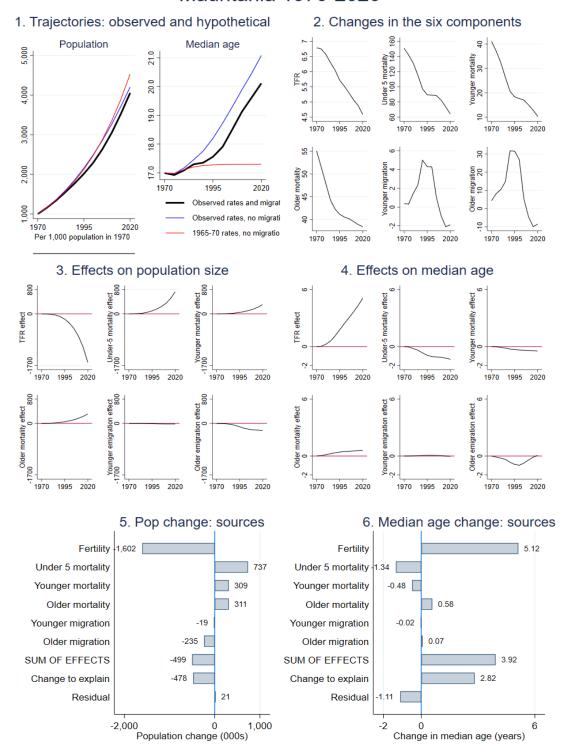
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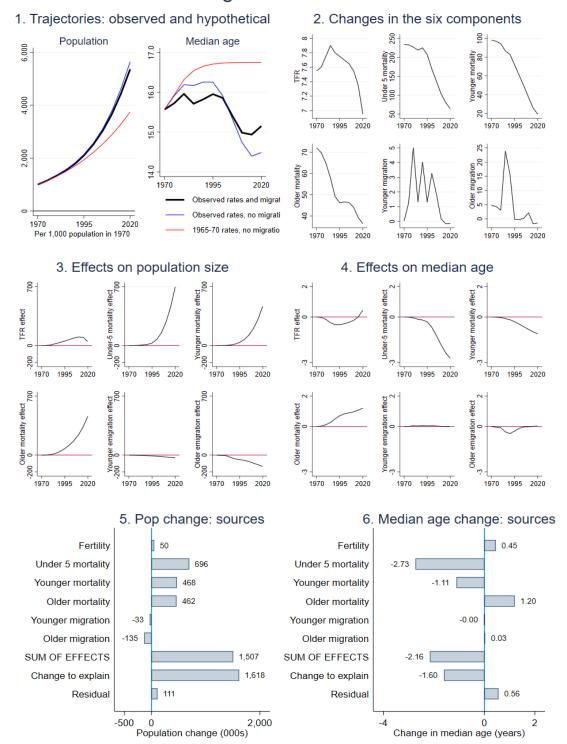
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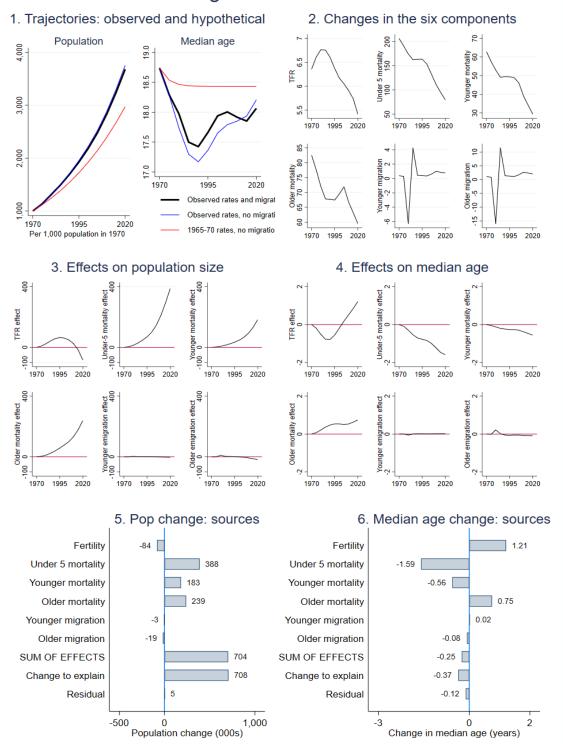
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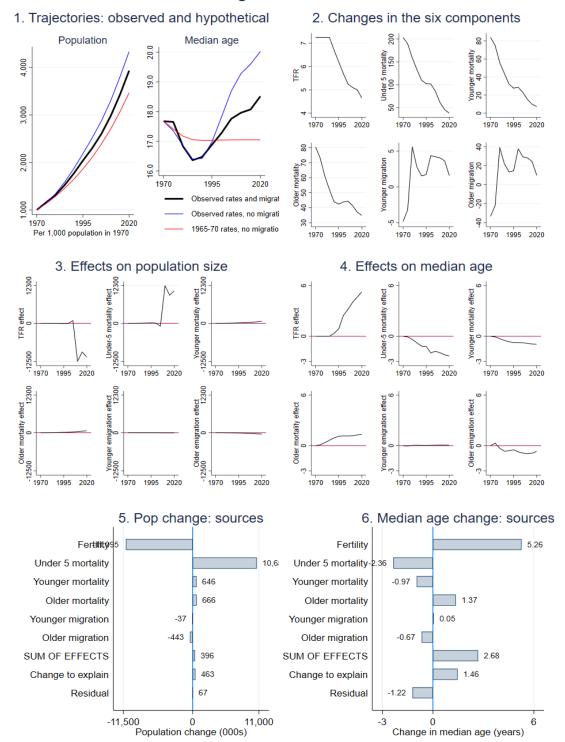
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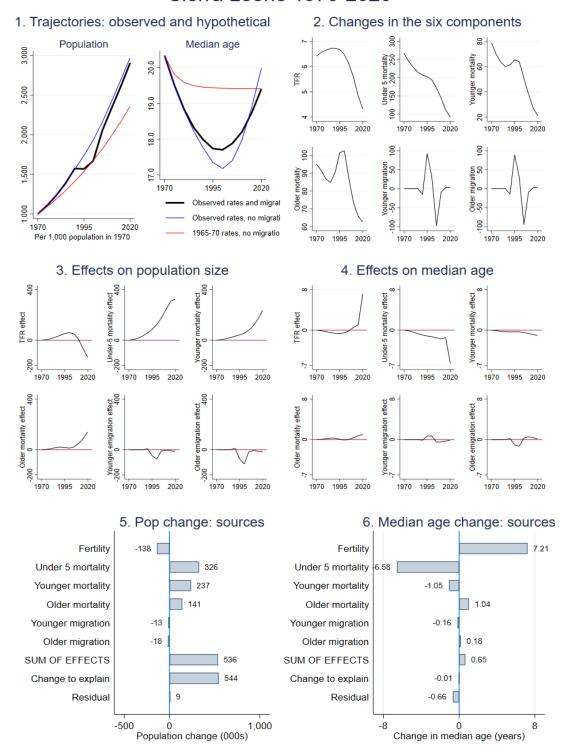
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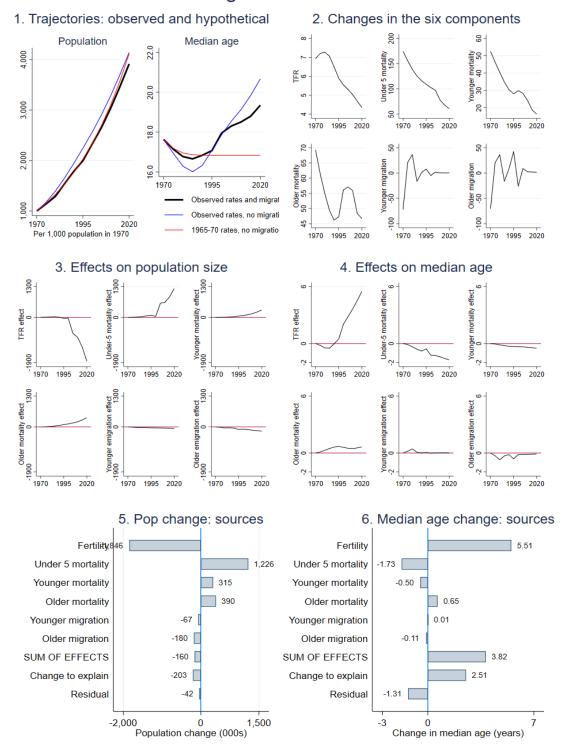
Change in population and median age: Senegal 1970-2020



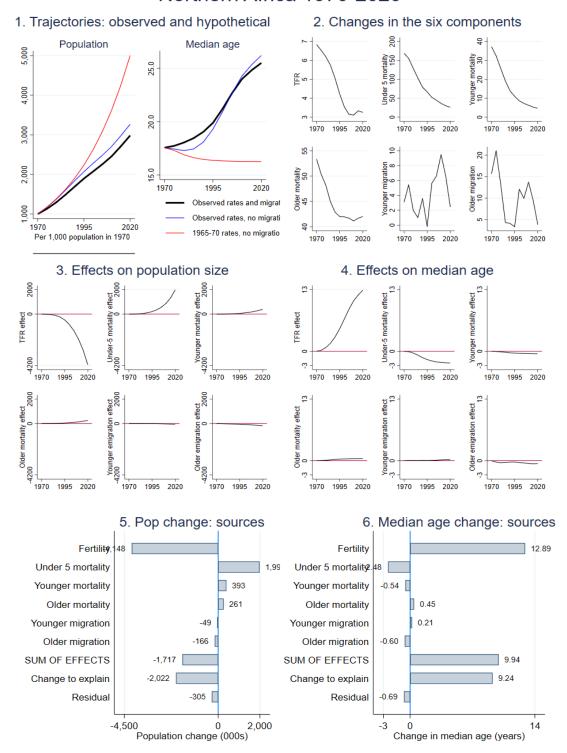
Change in population and median age: Sierra Leone 1970-2020



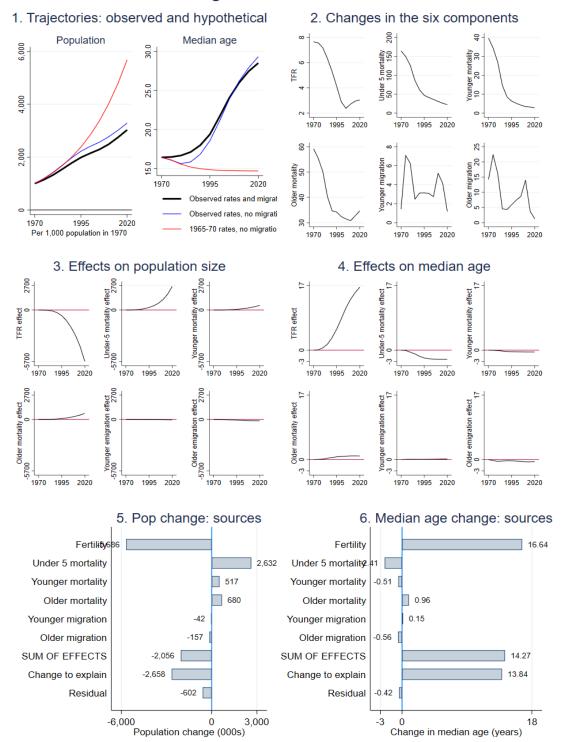
Change in population and median age: Togo 1970-2020



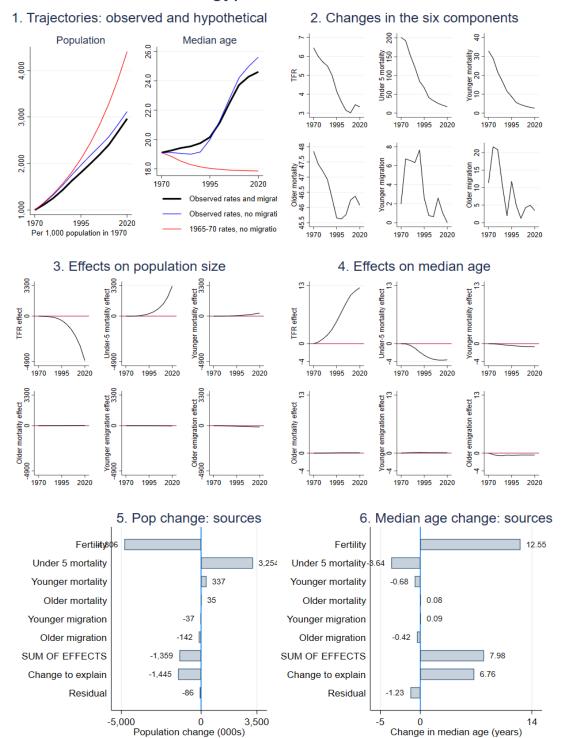
Change in population and median age: Northern Africa 1970-2020



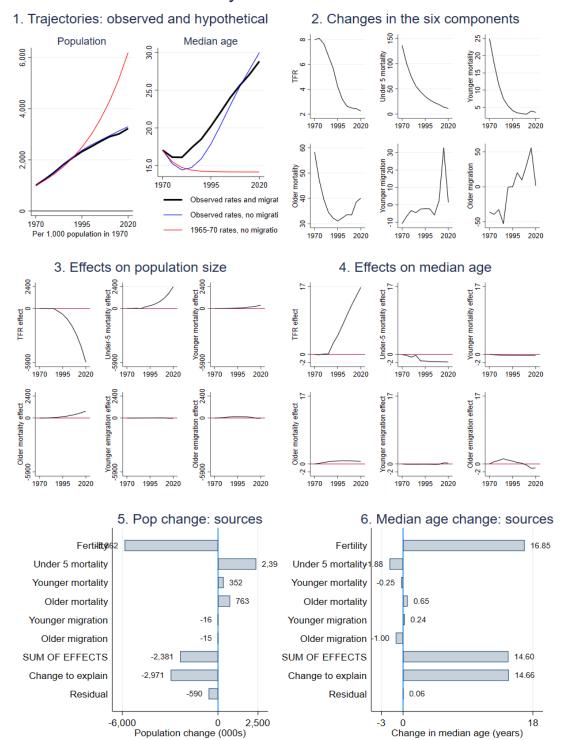
Change in population and median age: Algeria 1970-2020



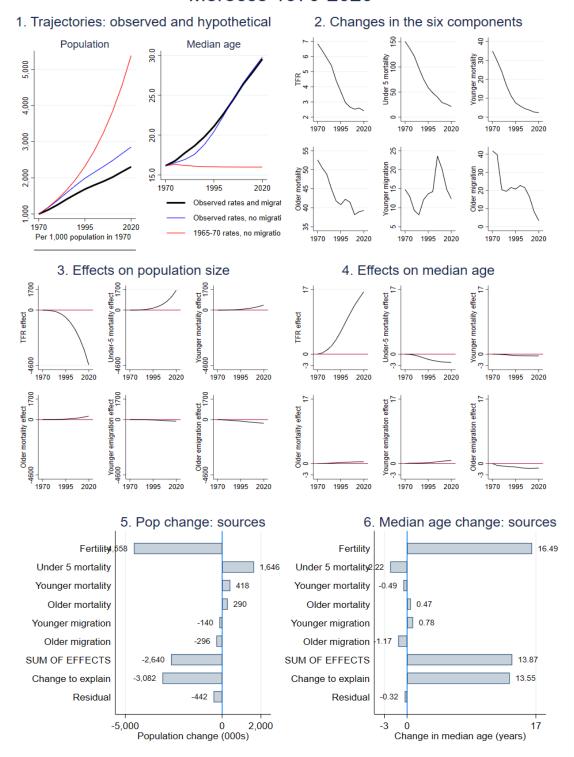
Change in population and median age: Egypt 1970-2020



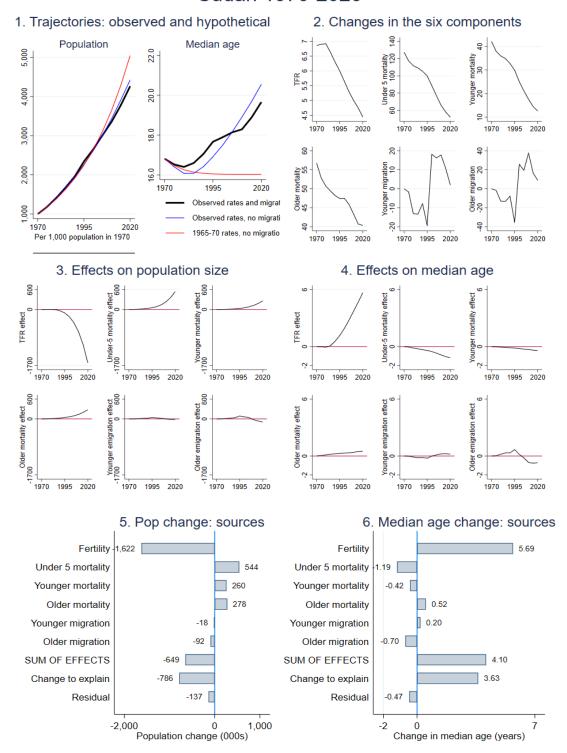
Change in population and median age: Libya 1970-2020



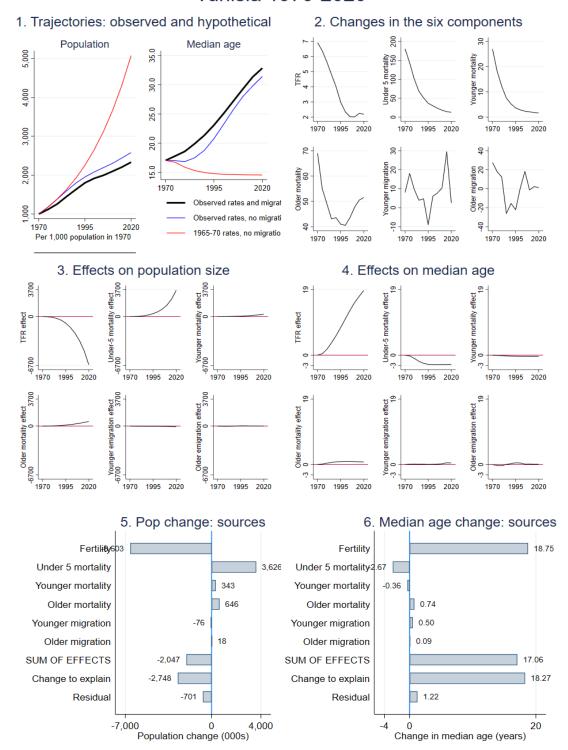
Change in population and median age: Morocco 1970-2020



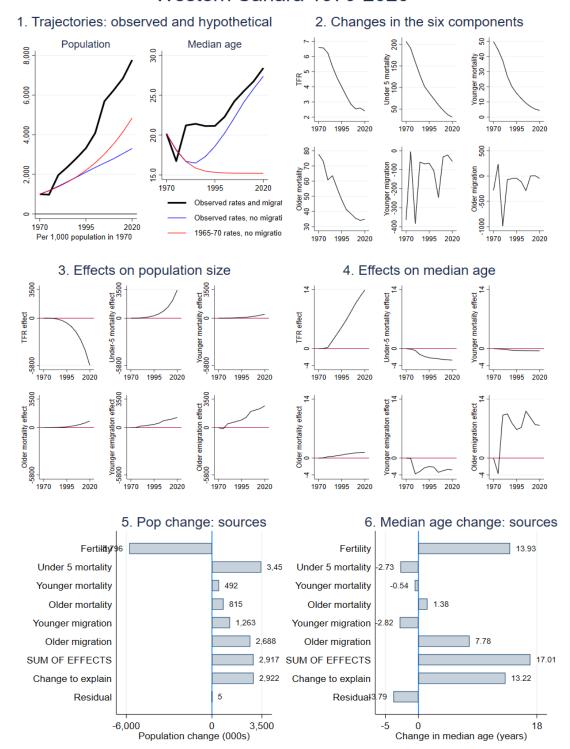
Change in population and median age: Sudan 1970-2020



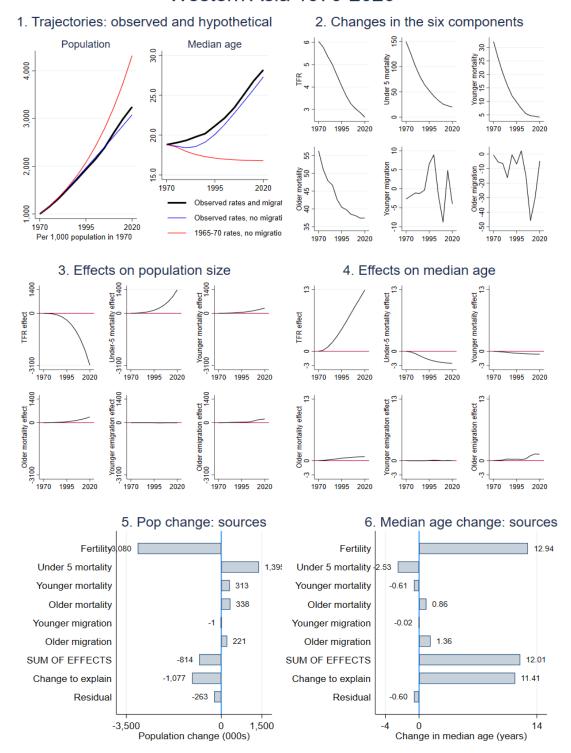
Change in population and median age: Tunisia 1970-2020



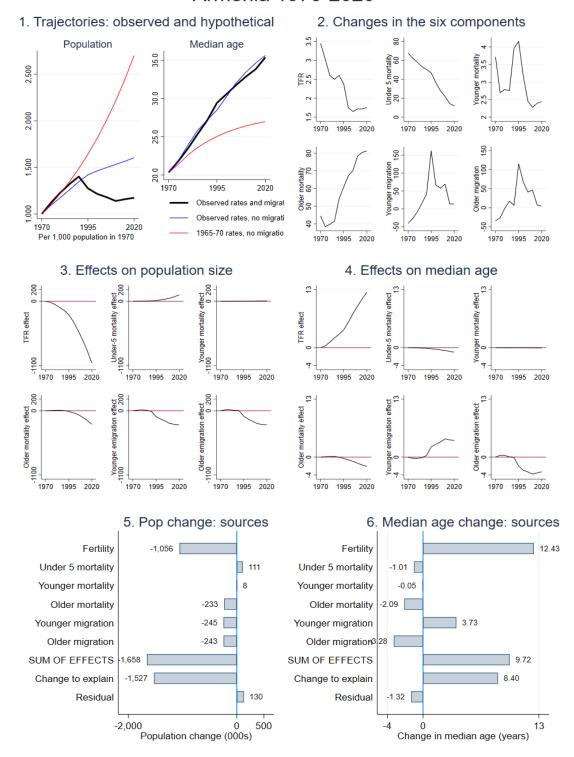
Change in population and median age: Western Sahara 1970-2020



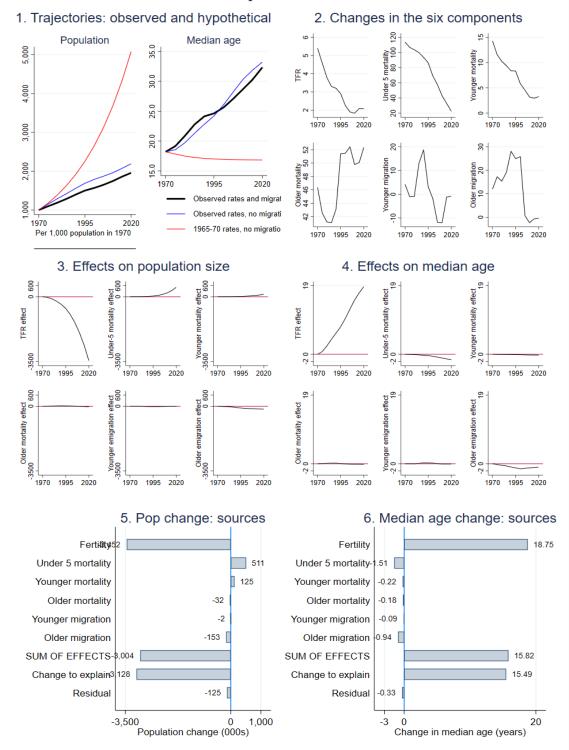
Change in population and median age: Western Asia 1970-2020



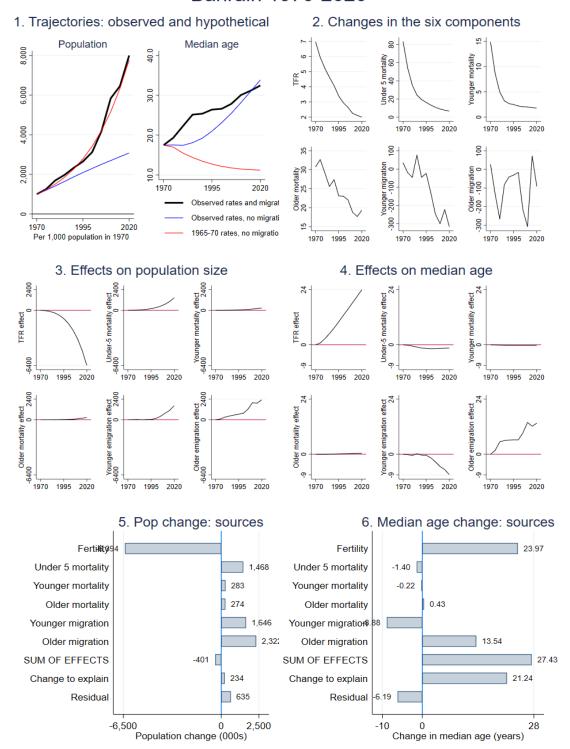
Change in population and median age: Armenia 1970-2020



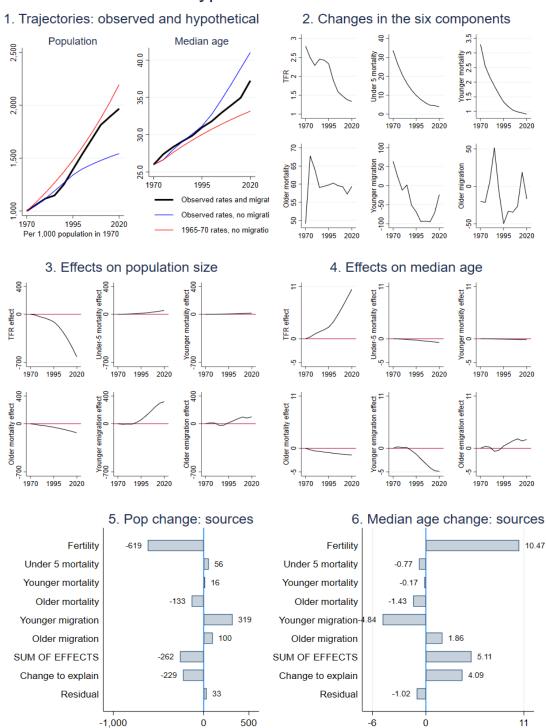
Change in population and median age: Azerbaijan 1970-2020



Change in population and median age: Bahrain 1970-2020



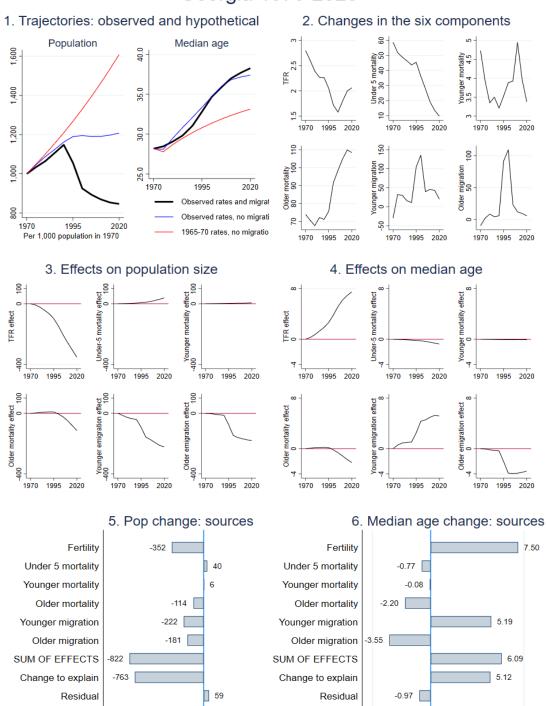
Change in population and median age: Cyprus 1970-2020



Change in median age (years)

Population change (000s)

Change in population and median age: Georgia 1970-2020



500

Change in median age (years)

Population change (000s)

-1,000

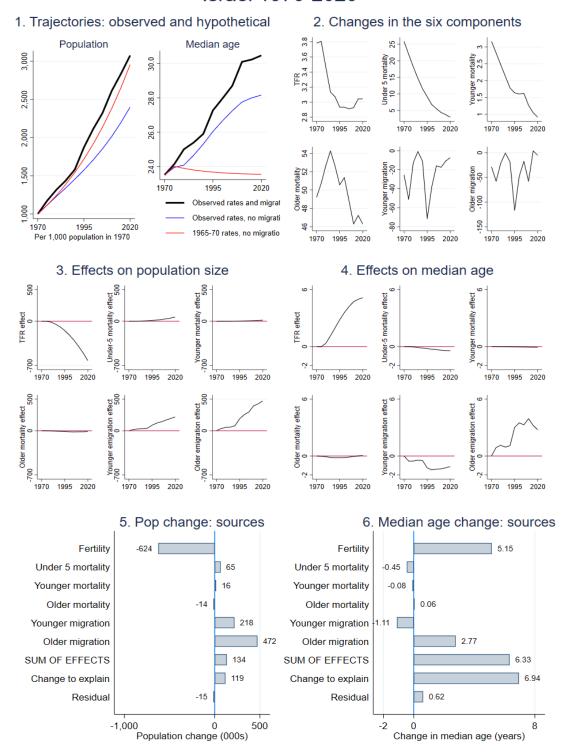
Change in population and median age: Iraq 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age rtality 80 20.0 Under 40 18.0 1970 1995 1970 1995 2020 ortality 50 1970 Observed rates and migrat Older 40 Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio Per 1,000 population in 1970 1995 2020 1970 1995 2020 1970 1995 1970 3. Effects on population size 4. Effects on median age 1200 TFR effect TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect mortality effect 1970 1995 2020 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 5. Pop change: sources 6. Median age change: sources Fertility401 Fertility Under 5 mortality 1,138 Under 5 mortality 1.00 Younger mortality 245 Younger mortality 524 0.58 Older mortality Older mortality Younger migration -25 Younger migration -0.05 Older migration -264 Older migration 0.23 SUM OF EFFECTS -1,783 SUM OF EFFECTS 6.93 Change to explain -2,102 Change to explain 5.75 Residual -319 Residual -1.18 1,500

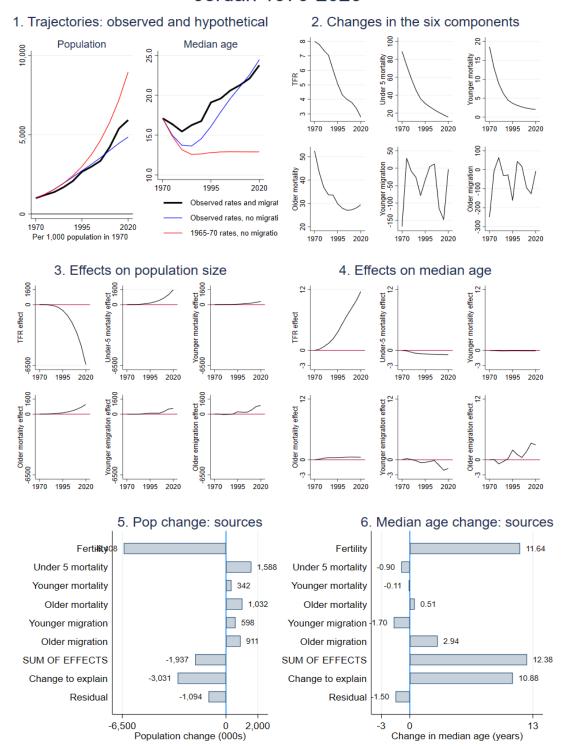
Change in median age (years)

Population change (000s)

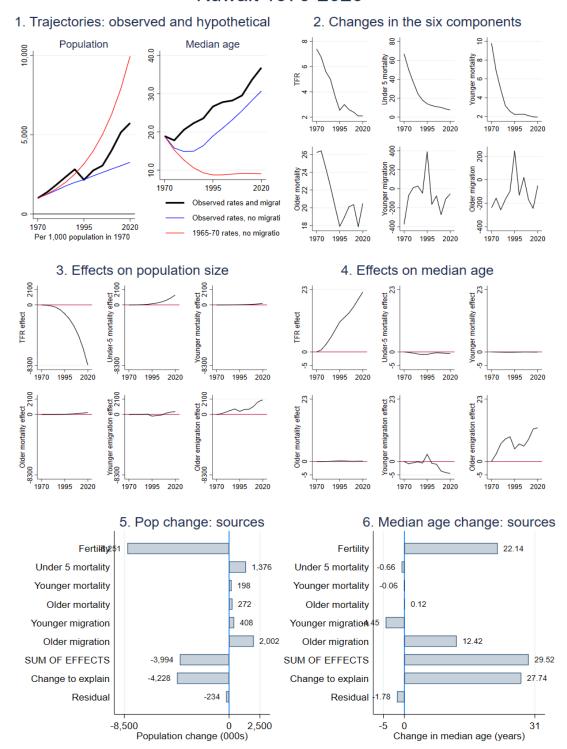
Change in population and median age: Israel 1970-2020



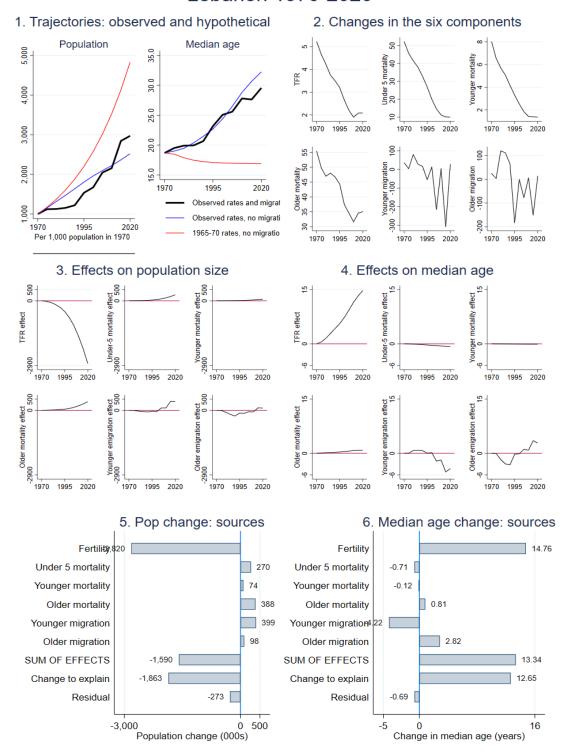
Change in population and median age: Jordan 1970-2020



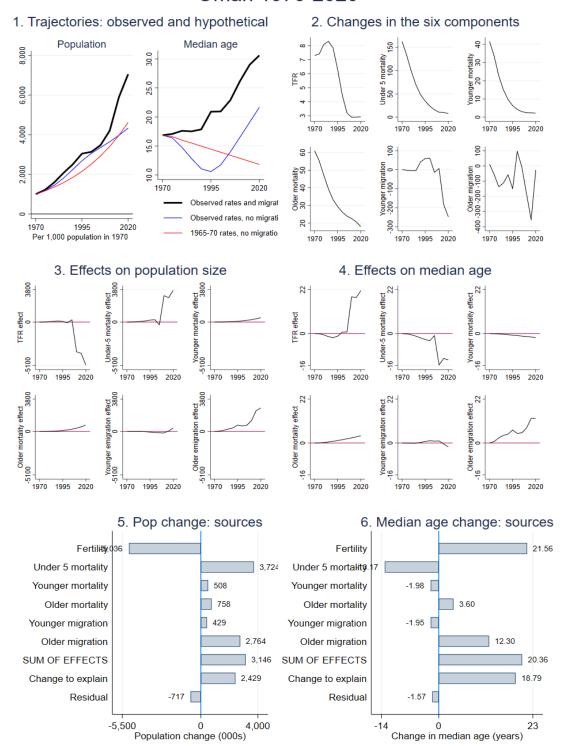
Change in population and median age: Kuwait 1970-2020



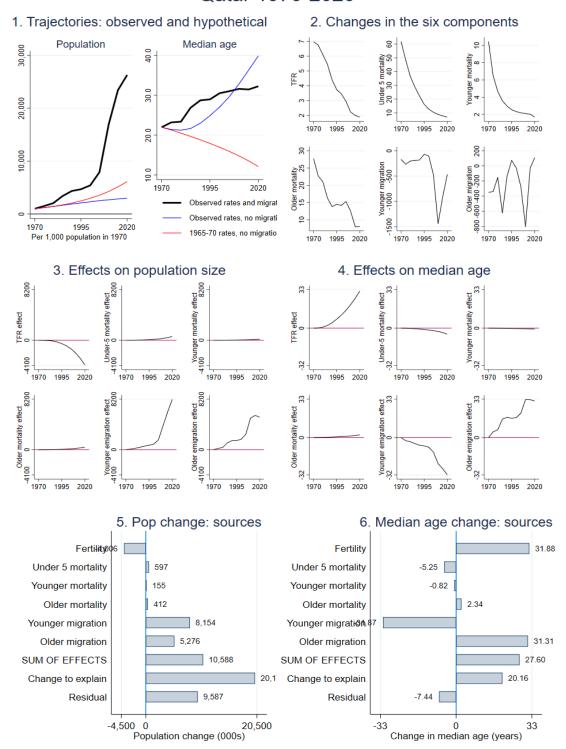
Change in population and median age: Lebanon 1970-2020



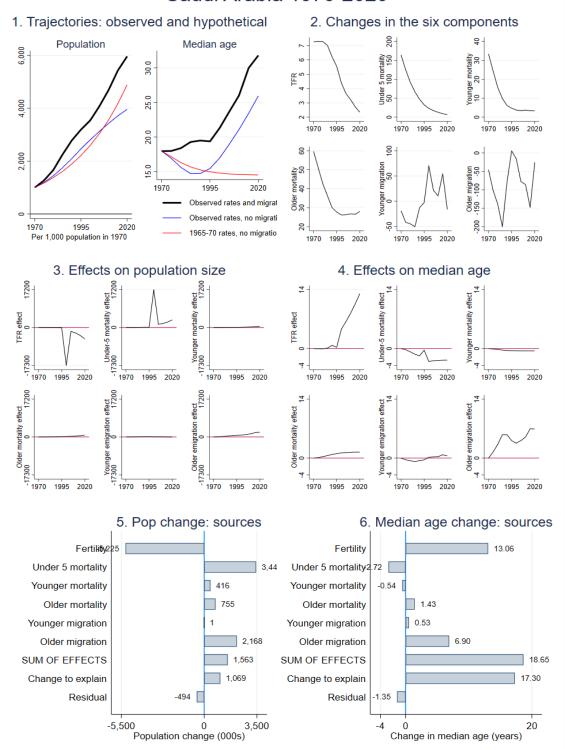
Change in population and median age: Oman 1970-2020



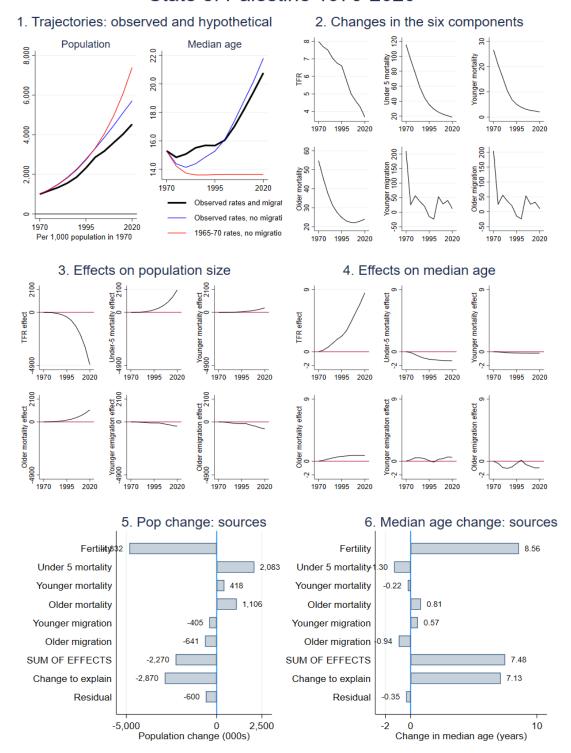
Change in population and median age: Qatar 1970-2020



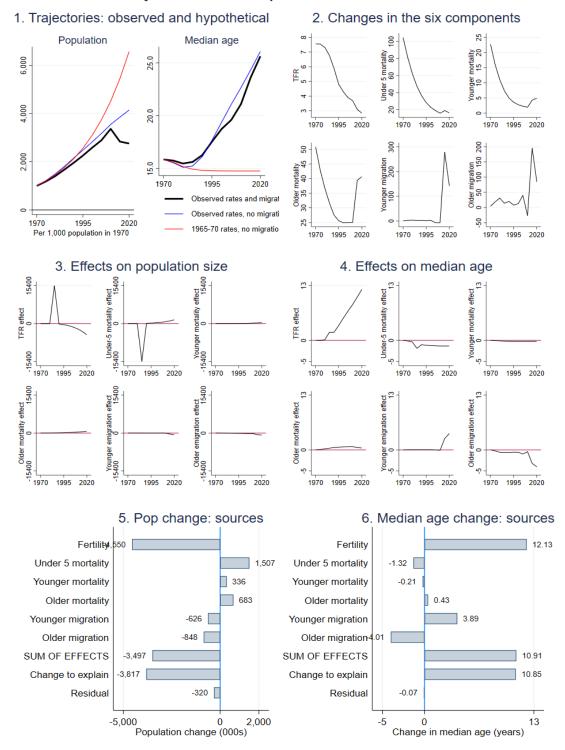
Change in population and median age: Saudi Arabia 1970-2020



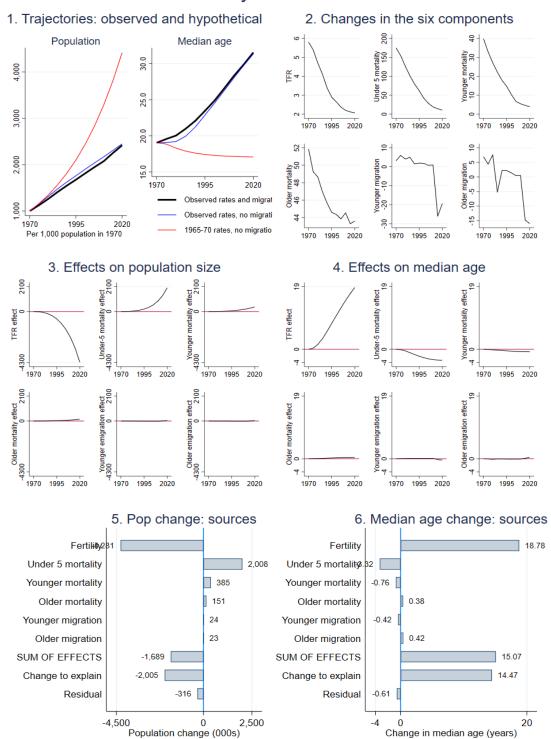
Change in population and median age: State of Palestine 1970-2020



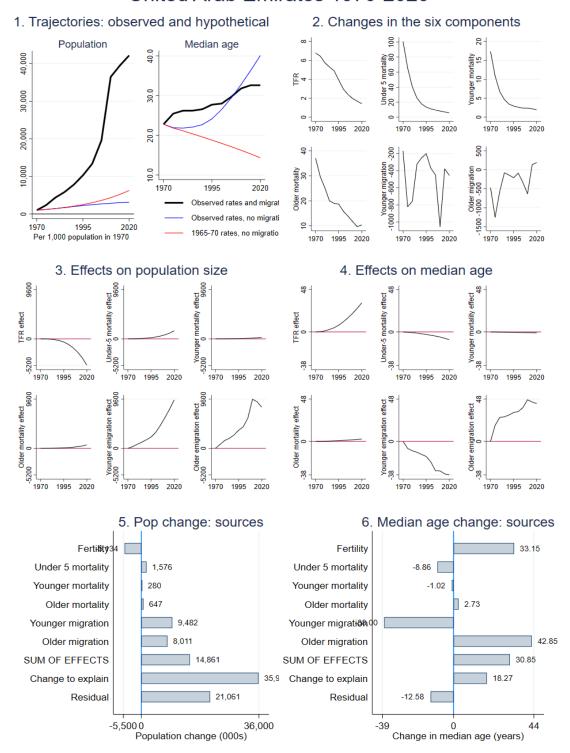
Change in population and median age: Syrian Arab Republic 1970-2020



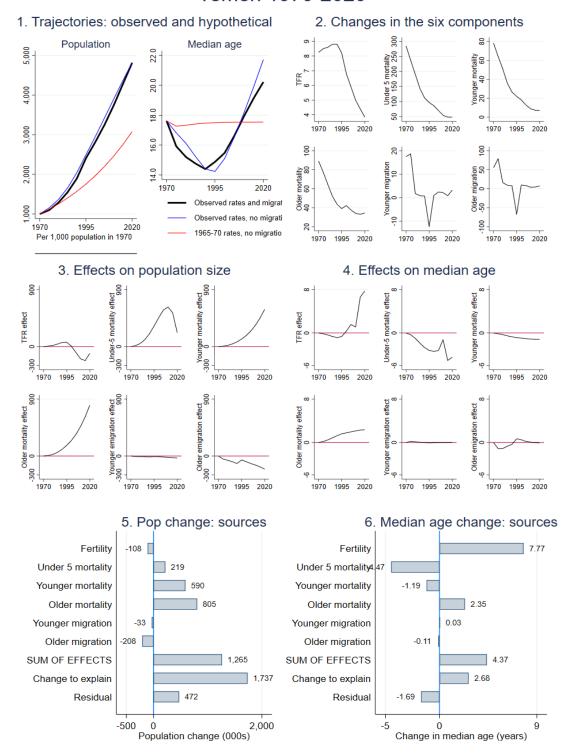
Change in population and median age: Turkey 1970-2020



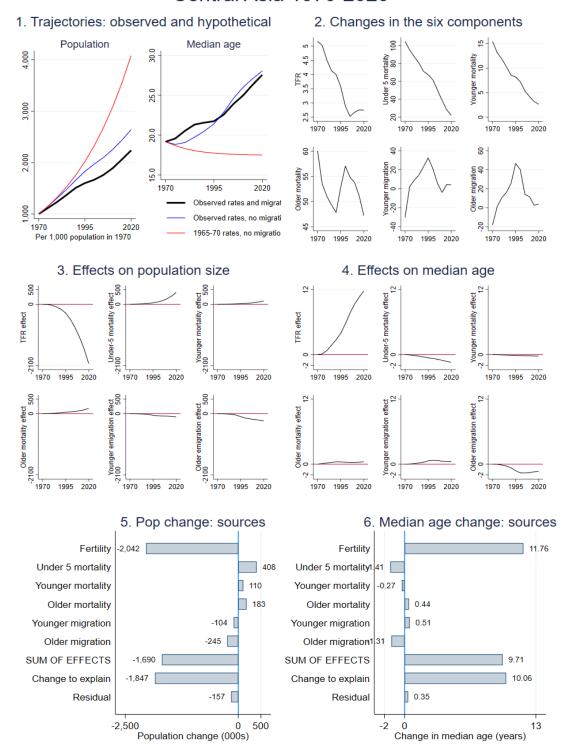
Change in population and median age: United Arab Emirates 1970-2020



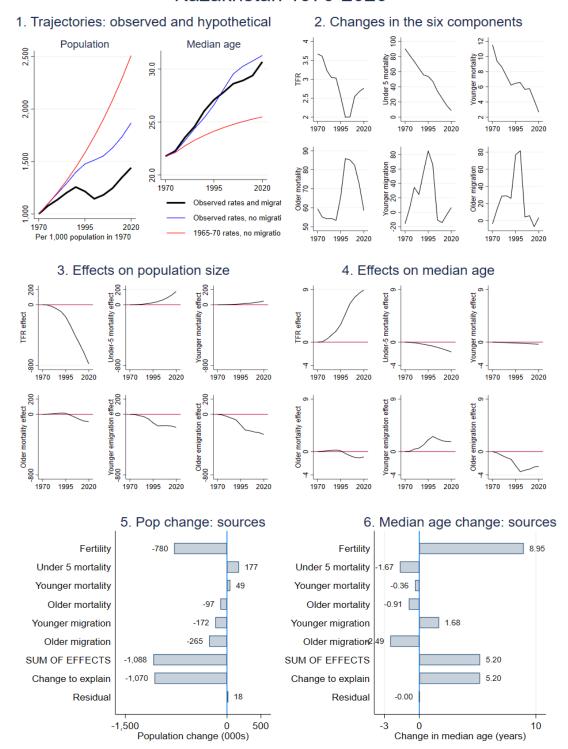
Change in population and median age: Yemen 1970-2020



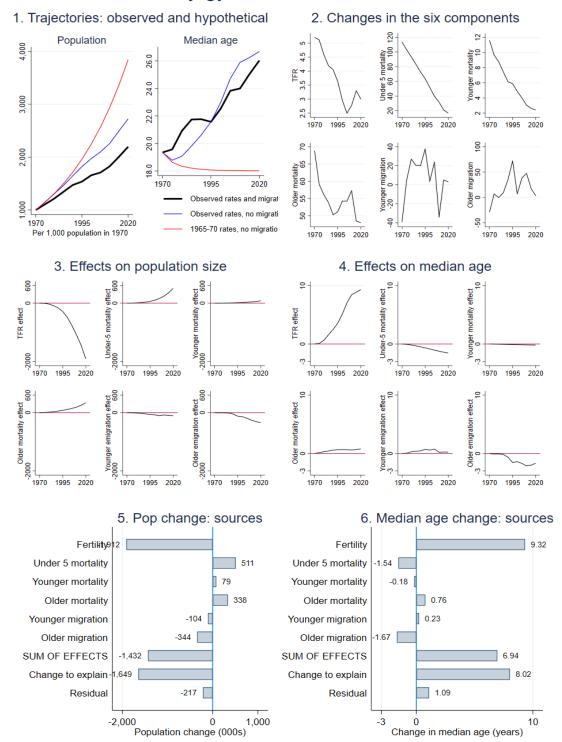
Change in population and median age: Central Asia 1970-2020



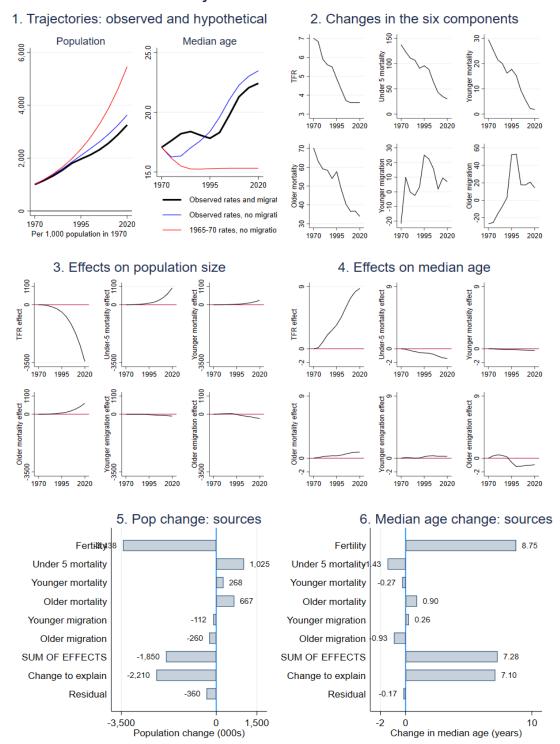
Change in population and median age: Kazakhstan 1970-2020



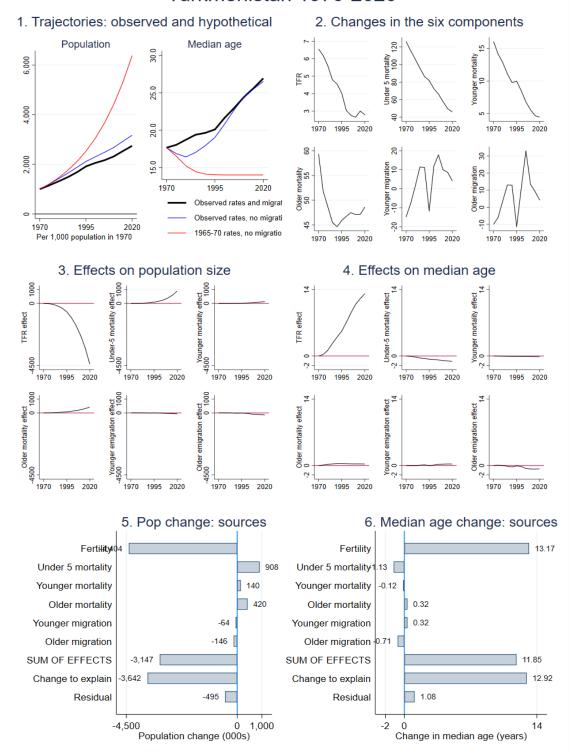
Change in population and median age: Kyrgyzstan 1970-2020



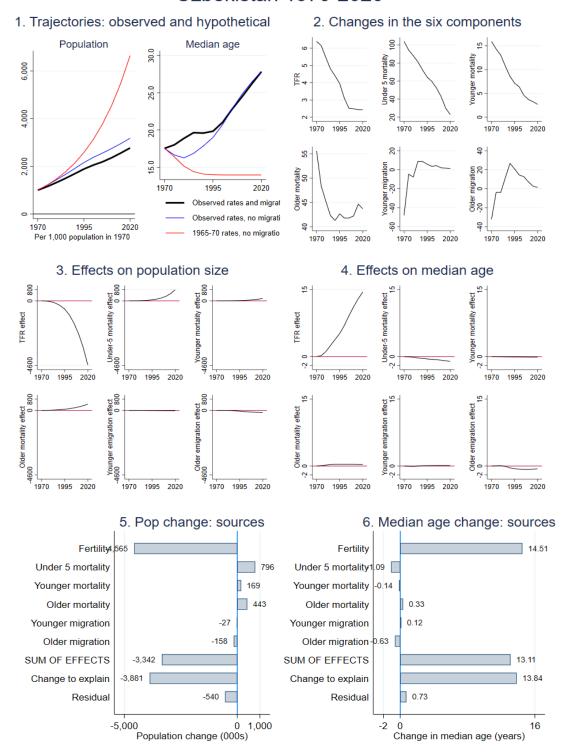
Change in population and median age: Tajikistan 1970-2020



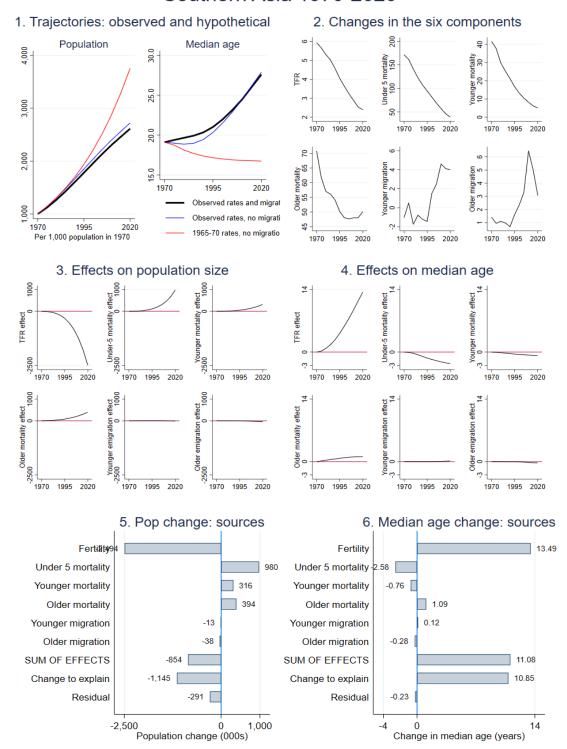
Change in population and median age: Turkmenistan 1970-2020



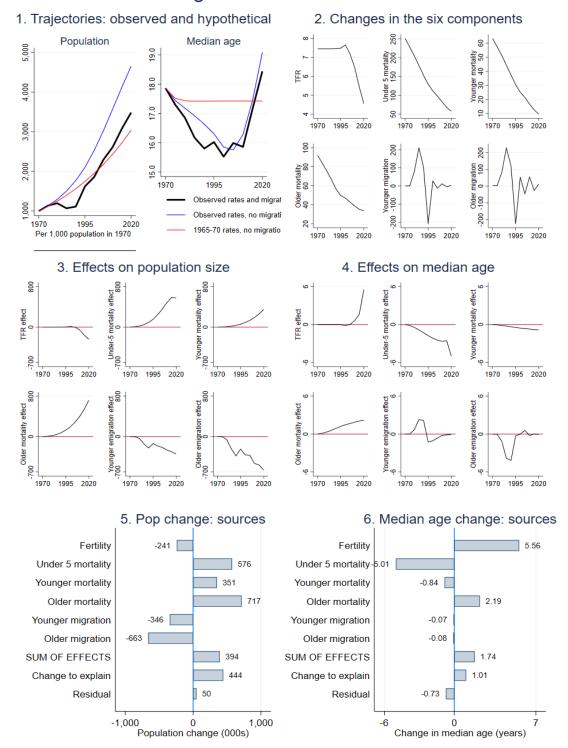
Change in population and median age: Uzbekistan 1970-2020



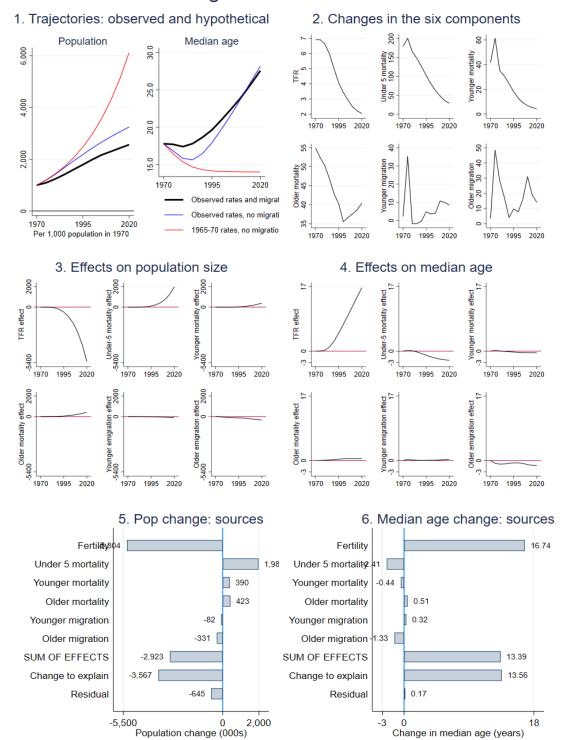
Change in population and median age: Southern Asia 1970-2020



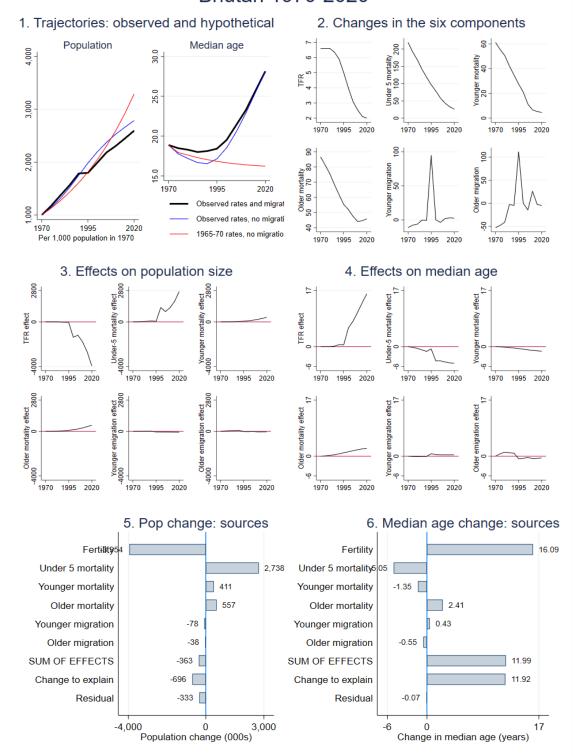
Change in population and median age: Afghanistan 1970-2020



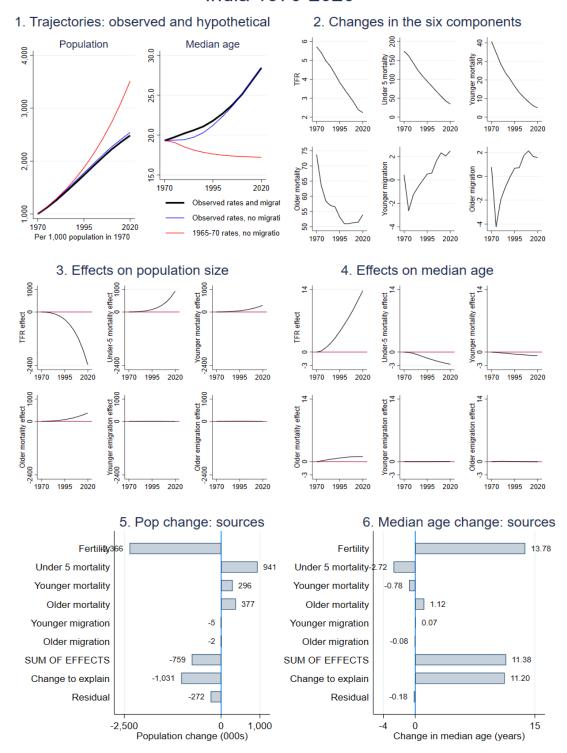
Change in population and median age: Bangladesh 1970-2020



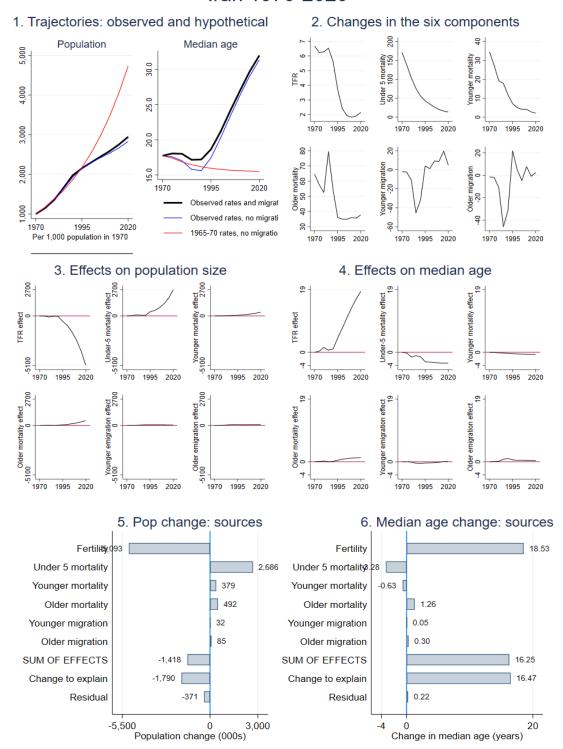
Change in population and median age: Bhutan 1970-2020



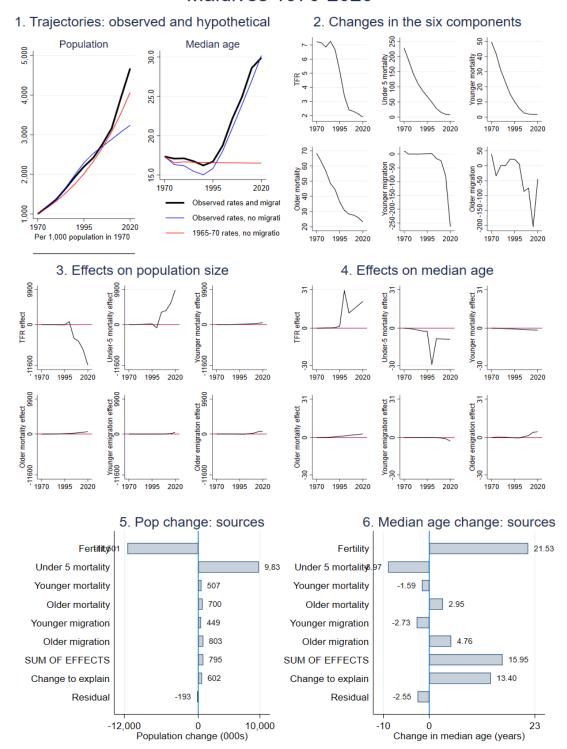
Change in population and median age: India 1970-2020



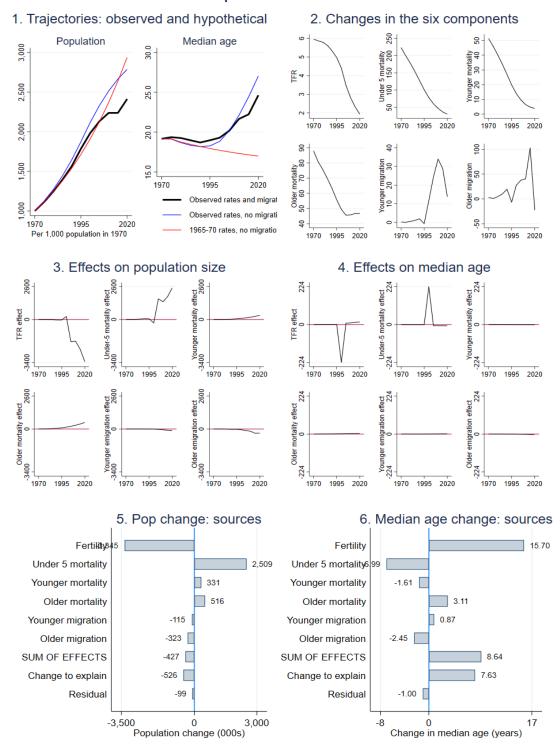
Change in population and median age: Iran 1970-2020



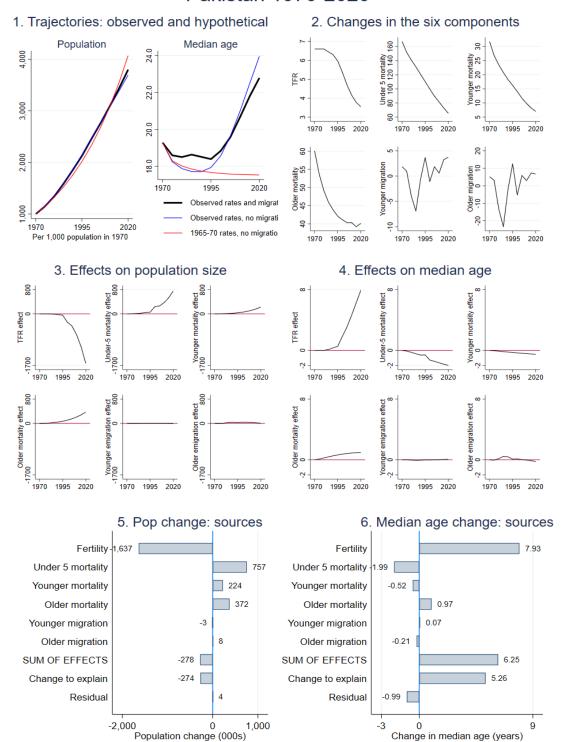
Change in population and median age: Maldives 1970-2020



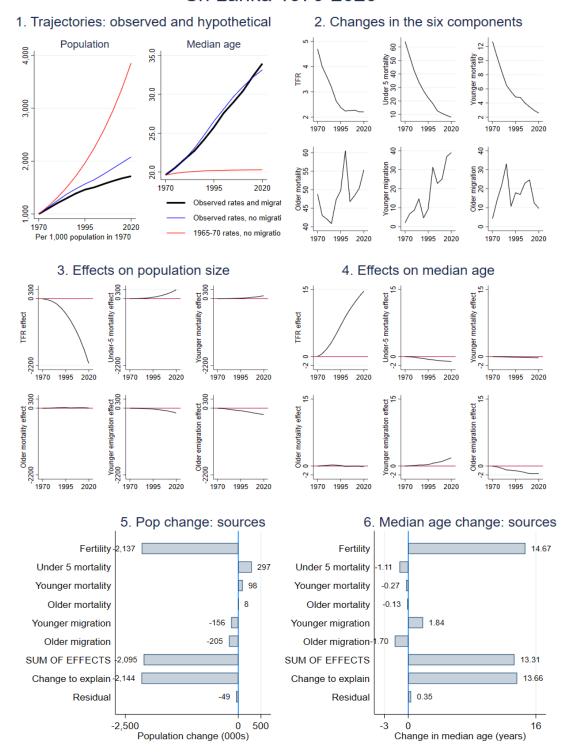
Change in population and median age: Nepal 1970-2020



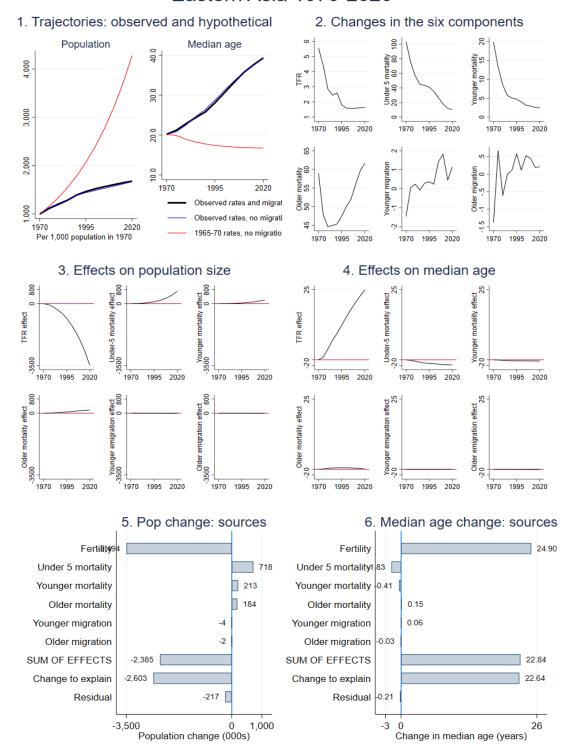
Change in population and median age: Pakistan 1970-2020



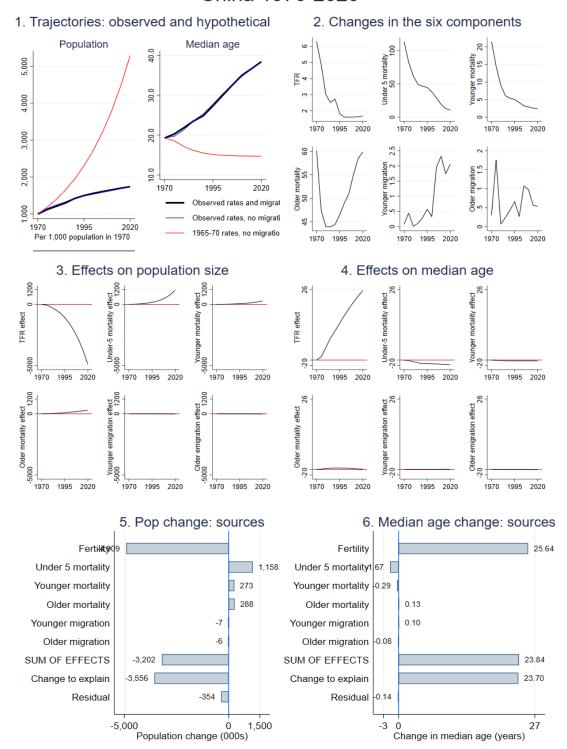
Change in population and median age: Sri Lanka 1970-2020



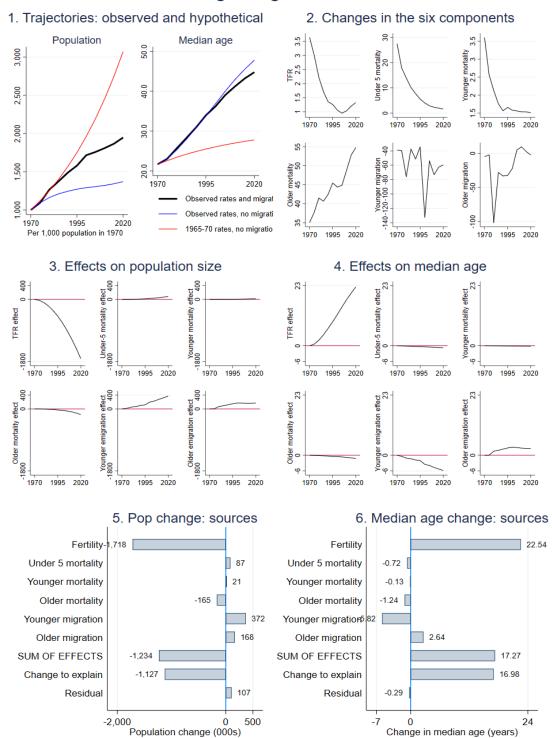
Change in population and median age: Eastern Asia 1970-2020



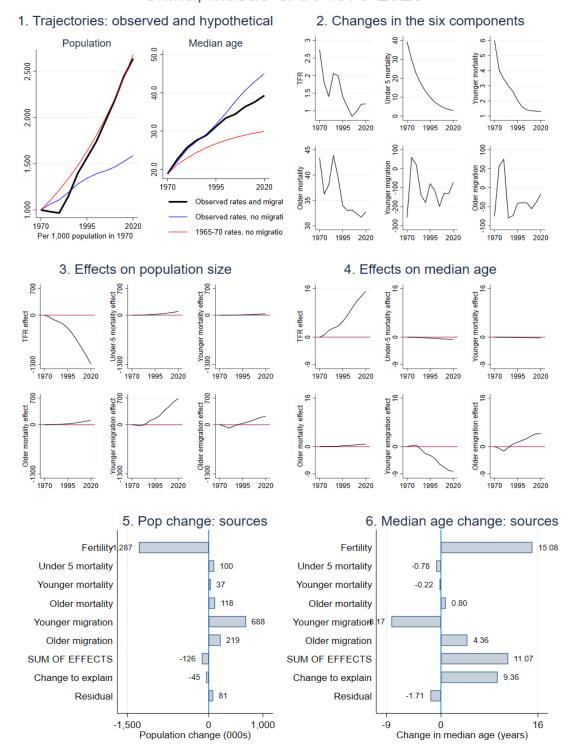
Change in population and median age: China 1970-2020



Change in population and median age: China, Hong Kong SAR 1970-2020



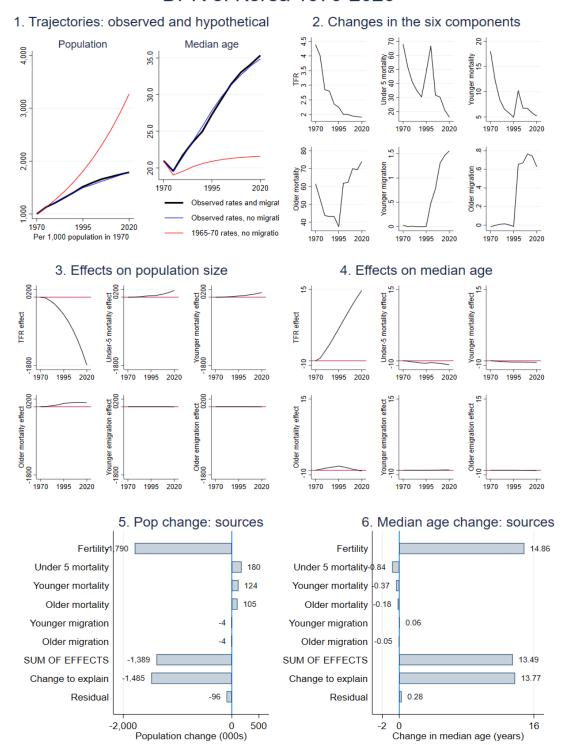
Change in population and median age: China, Macao SAR 1970-2020



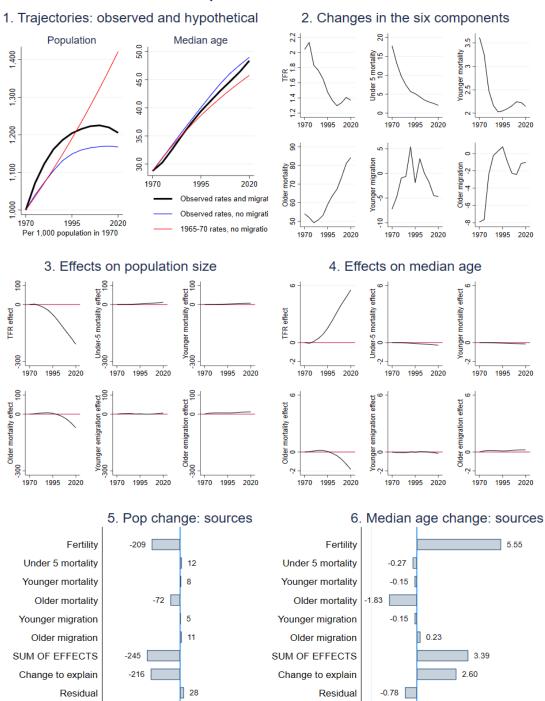
Change in population and median age: China, Taiwan 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age 000 5 m 40.0 3,000 1970 1995 2020 1970 1995 2020 1995 2020 30.0 2,000 migration 10 20 mortality 50 55 Older n 0 45 Observed rates and migrat Observed rates, no migrati 30 1970 1995 2020 1965-70 rates, no migratio Per 1,000 population in 1970 1970 1970 1995 2020 1995 2020 1970 1995 2020 3. Effects on population size 4. Effects on median age TFR effect TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect 0300 Older mortality effect 1995 1995 1970 1995 6. Median age change: sources 5. Pop change: sources Fertility2,738 Fertility Under 5 mortality 260 Under 5 mortality 04 Younger mortality Younger mortality-0.13 -268 Older mortality 18 Older mortality Younger migration Younger migration-0.09 Older migration 16 Older migration 0.32 SUM OF EFFECTS2 690 SUM OF EFFECTS 21.71 Change to explain 2,538 20.27 Change to explain 152 Residual Residual.44 0 500 -3,000 Population change (000s) Change in median age (years)

Change in population and median age: DPR of Korea 1970-2020



Change in population and median age: Japan 1970-2020

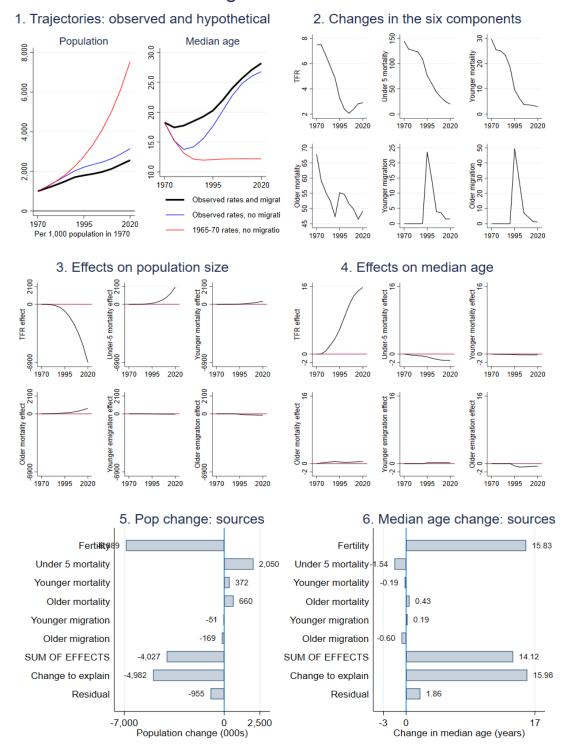


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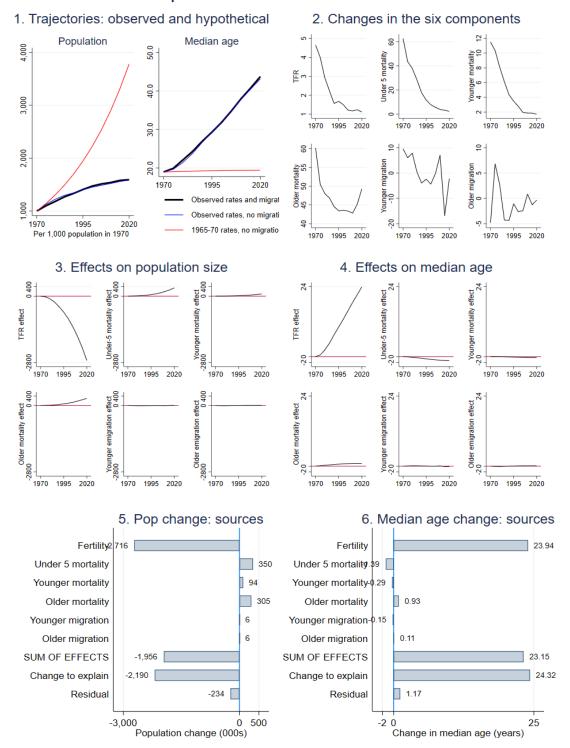
Change in median age (years)

Population change (000s)

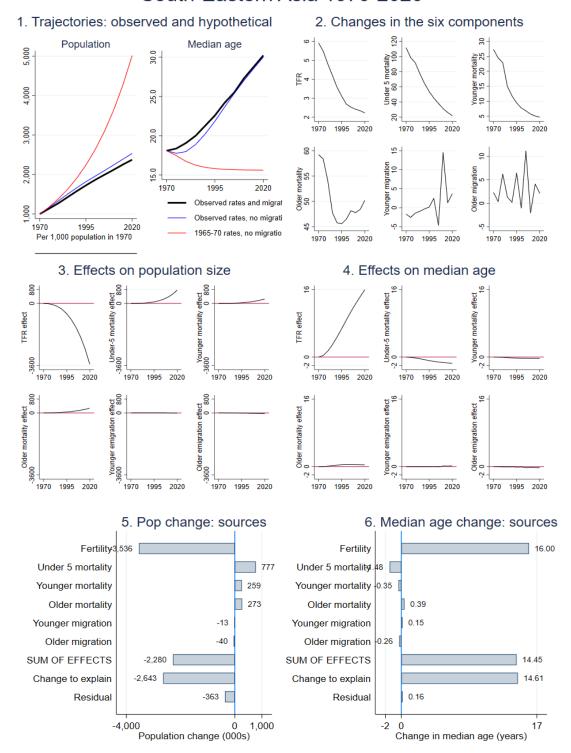
Change in population and median age: Mongolia 1970-2020



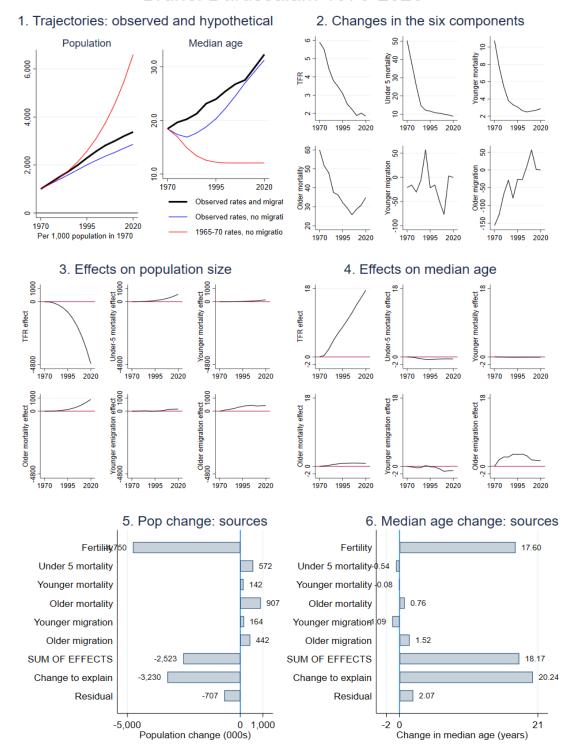
Change in population and median age: Republic of Korea 1970-2020



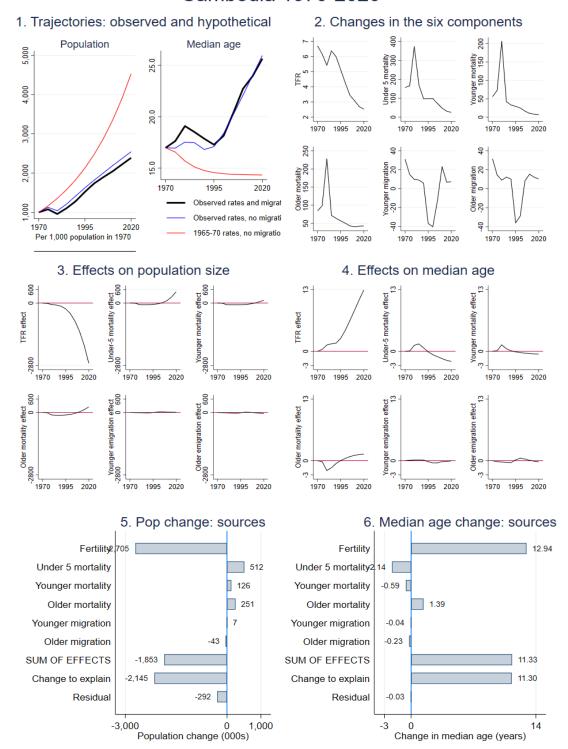
Change in population and median age: South-Eastern Asia 1970-2020



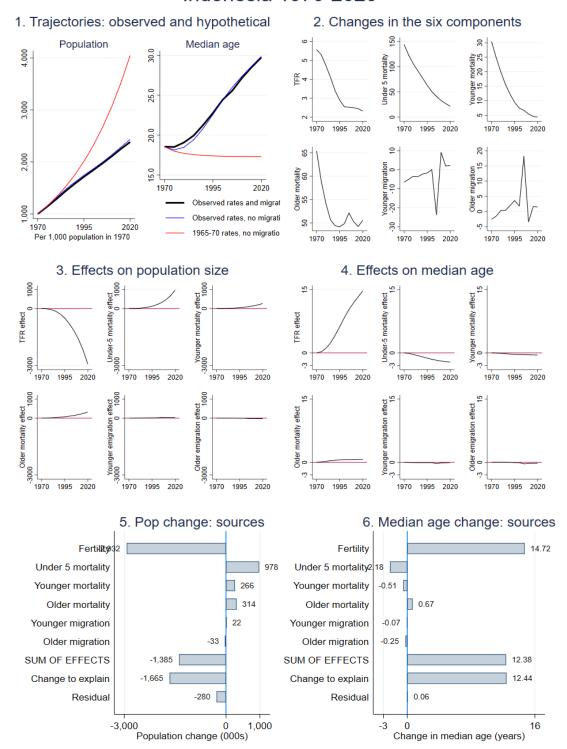
Change in population and median age: Brunei Darussalam 1970-2020



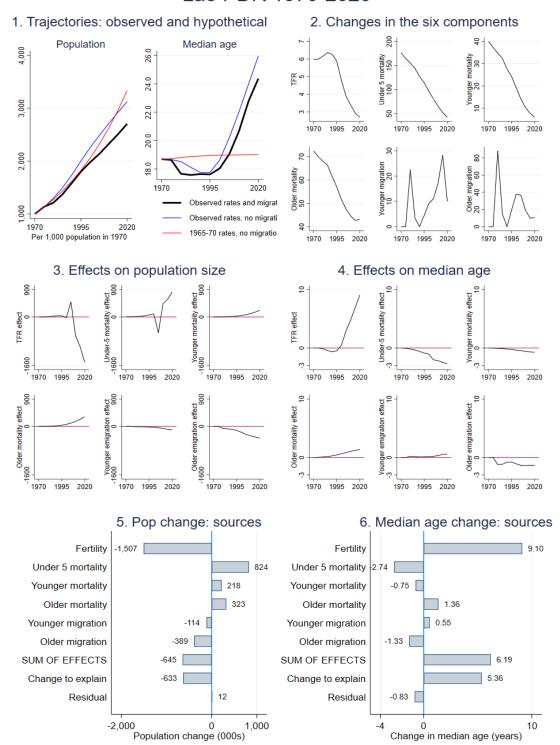
Change in population and median age: Cambodia 1970-2020



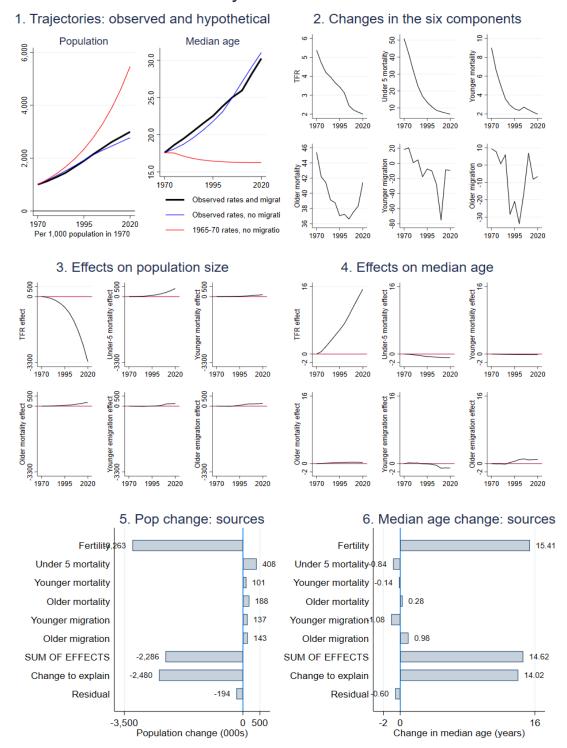
Change in population and median age: Indonesia 1970-2020



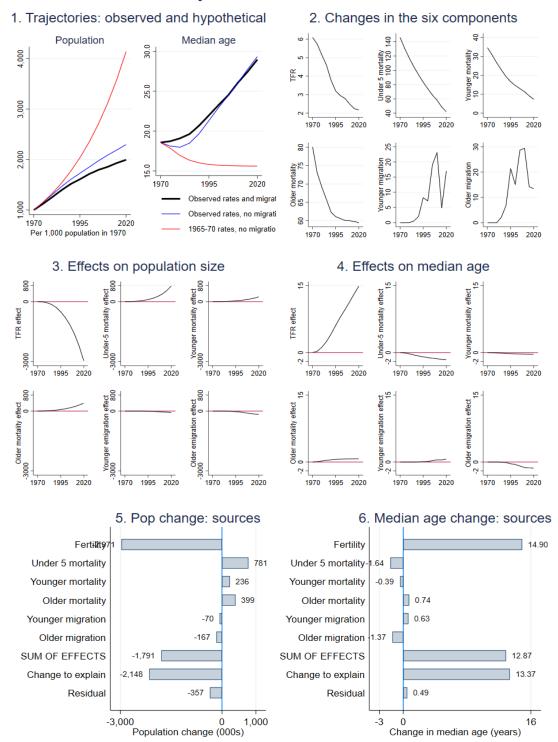
Change in population and median age: Lao PDR 1970-2020



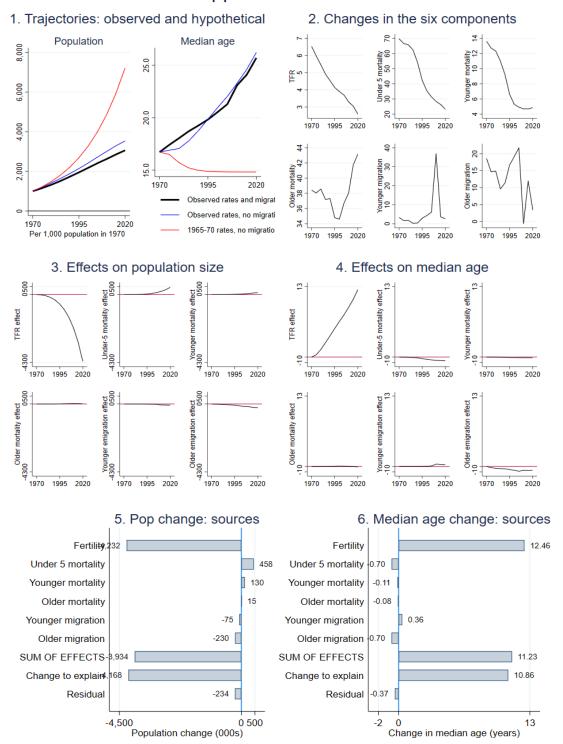
Change in population and median age: Malaysia 1970-2020



Change in population and median age: Myanmar 1970-2020

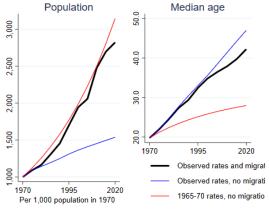


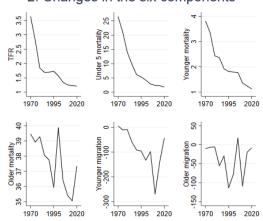
Change in population and median age: Philippines 1970-2020

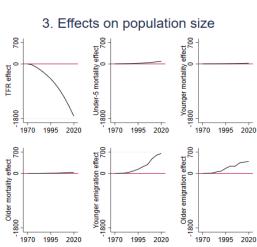


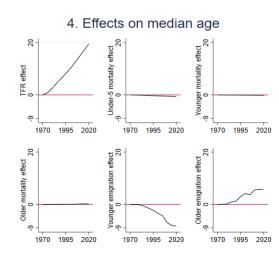
Change in population and median age:

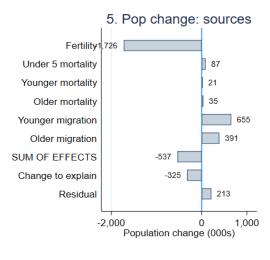
Singapore 1970-2020 1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age 50.0

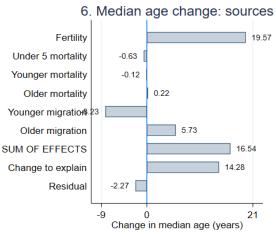




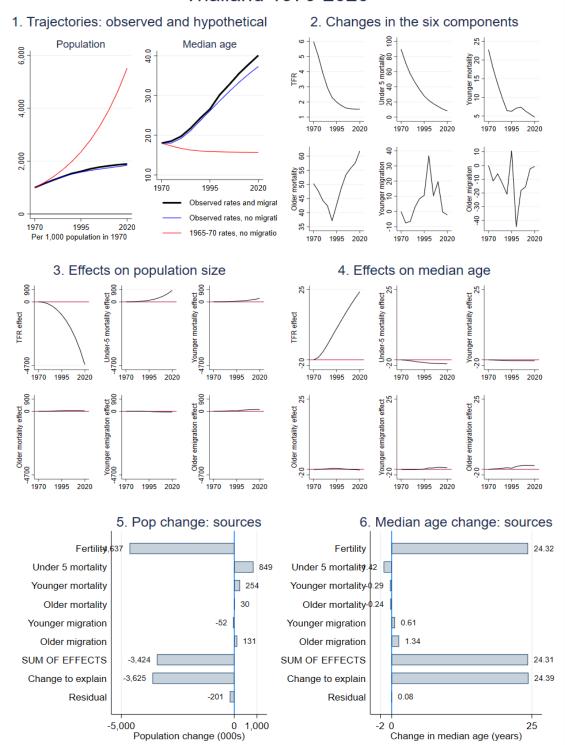




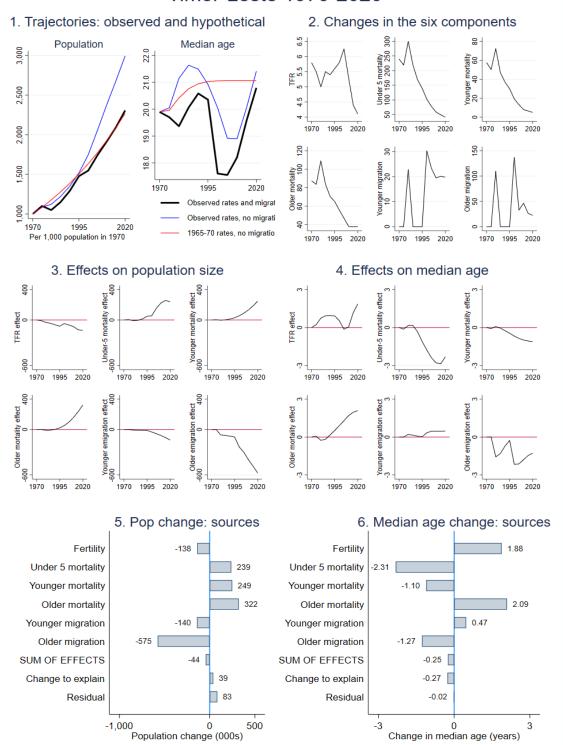




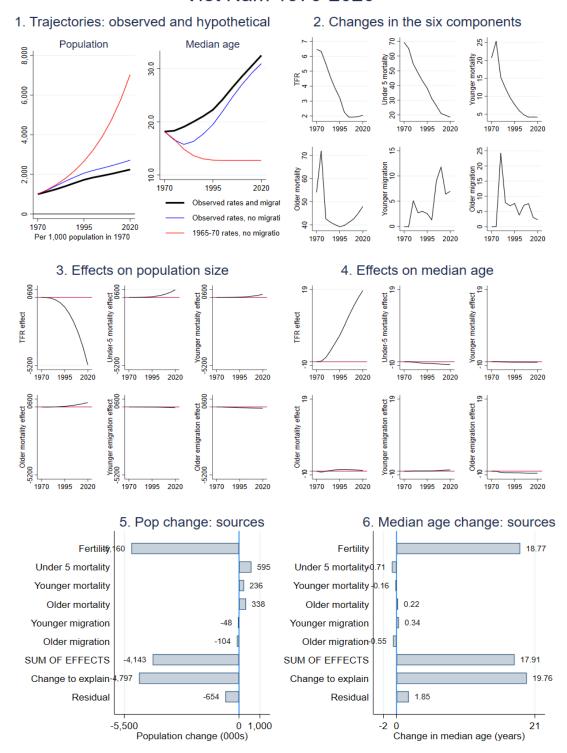
Change in population and median age: Thailand 1970-2020



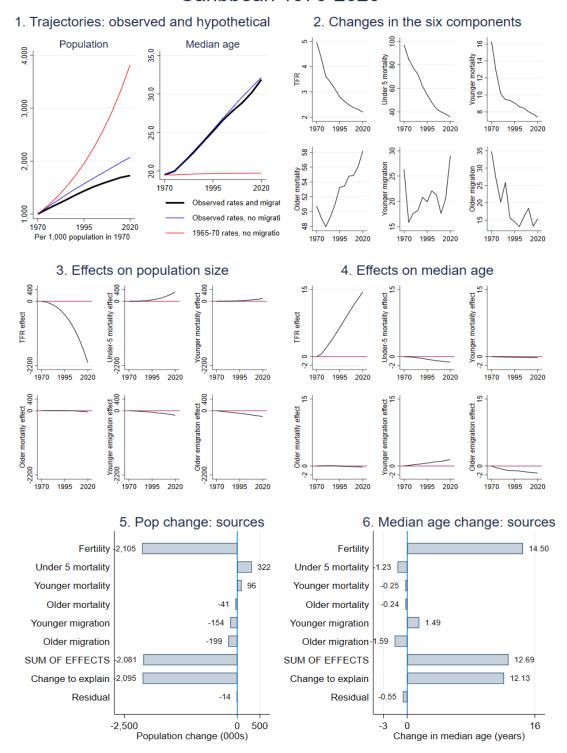
Change in population and median age: Timor-Leste 1970-2020



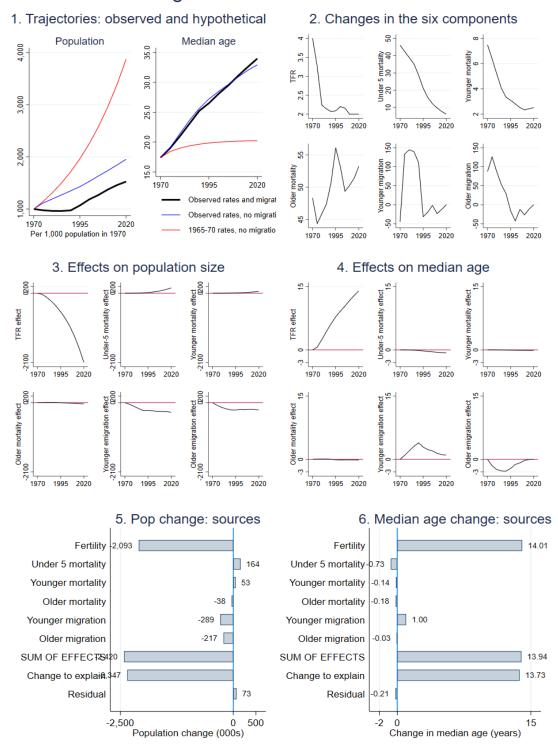
Change in population and median age: Viet Nam 1970-2020



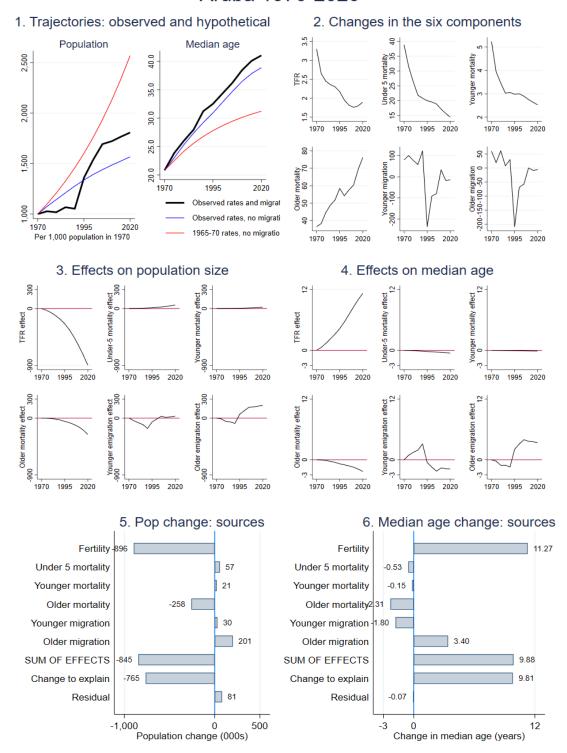
Change in population and median age: Caribbean 1970-2020



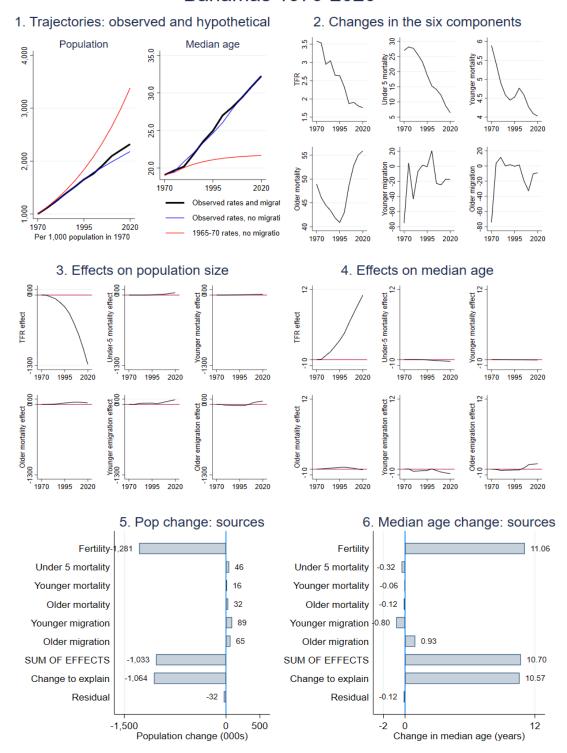
Change in population and median age: Antigua & Barbuda 1970-2020



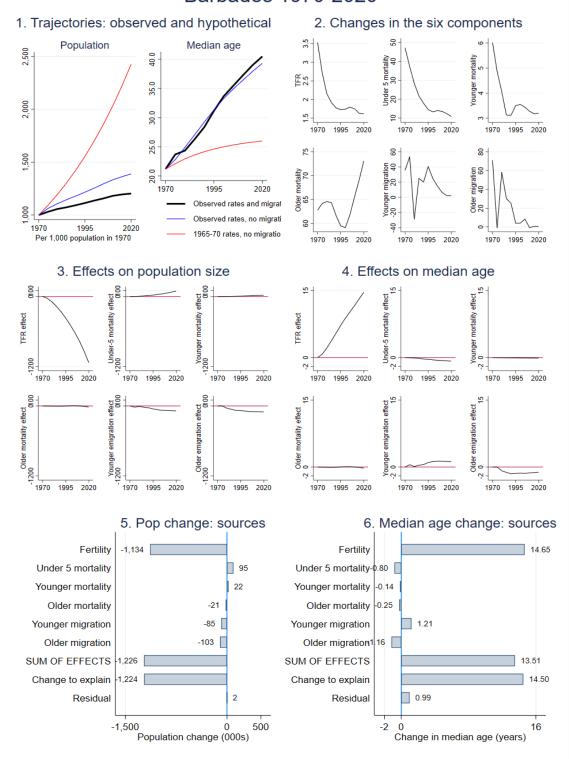
Change in population and median age: Aruba 1970-2020



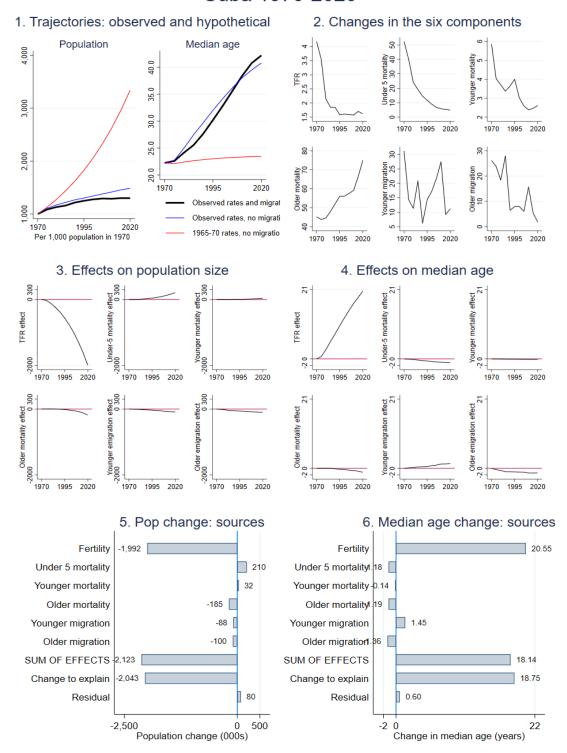
Change in population and median age: Bahamas 1970-2020



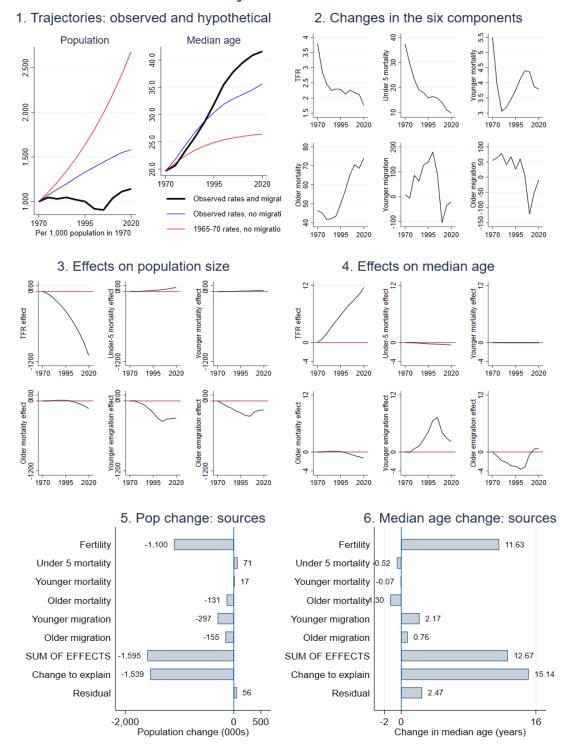
Change in population and median age: Barbados 1970-2020



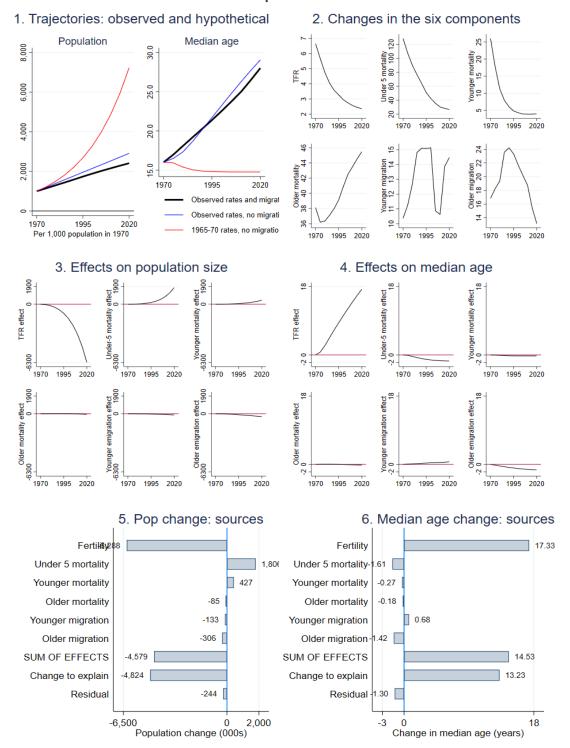
Change in population and median age: Cuba 1970-2020



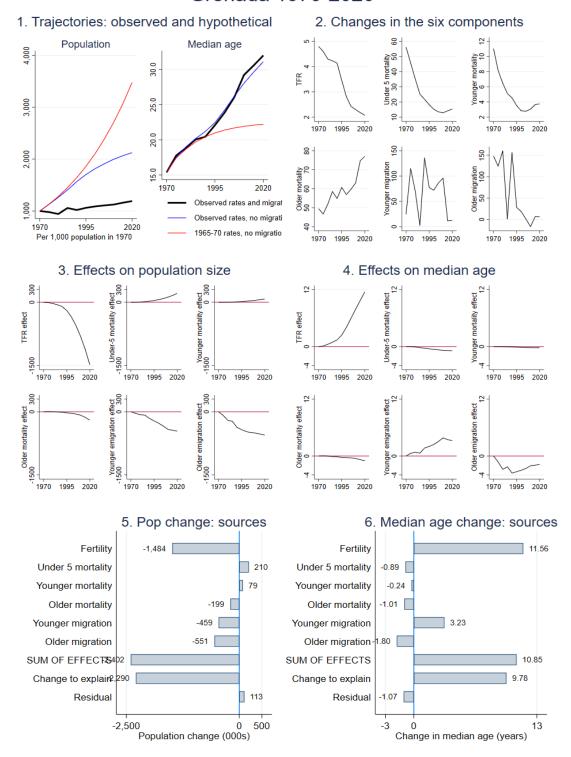
Change in population and median age: Curação 1970-2020



Change in population and median age: Dominican Republic 1970-2020



Change in population and median age: Grenada 1970-2020



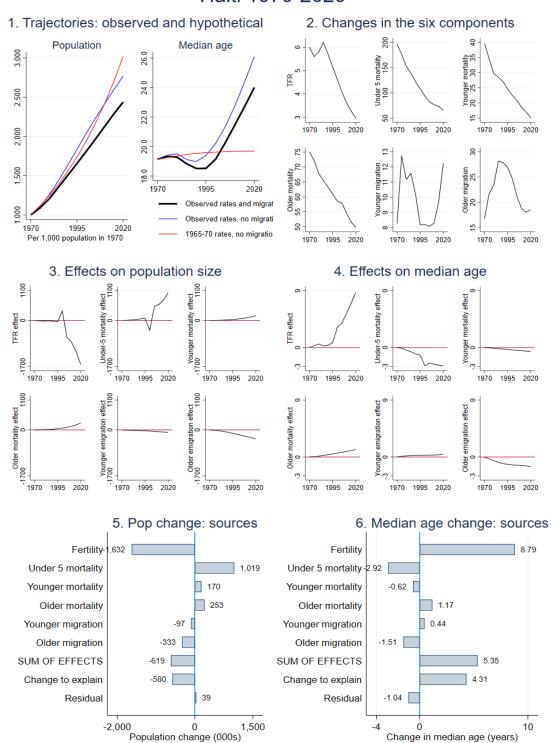
Change in population and median age: Guadeloupe 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age Under 5 1 10 20 30.0 1970 1995 2020 1995 2020 2,000 150 r migration 50 100 mortality 60 65 20 Eg 1,500 Observed rates and migrat Older 55 older 50 der Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio Per 1,000 population in 1970 2020 1995 2020 1970 1995 2020 1970 1995 1970 3. Effects on population size 4. Effects on median age TFR effect TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect 0200 Older mortality effect 1995 2020 1970 1995 1970 1995 5. Pop change: sources 6. Median age change: sources Fertility-1,702 Fertility Under 5 mortality 159 Under 5 mortality 82 Younger mortality Younger mortality-0.21 -39 Older mortality-0.40 Older mortality Younger migration -287 Younger migration Older migration -57 Older migration -0.06 SUM OF EFFECT-\$,868 SUM OF EFFECTS 18.74 Change to explain 841 20.55 Change to explain Residual 27 Residual 1.80

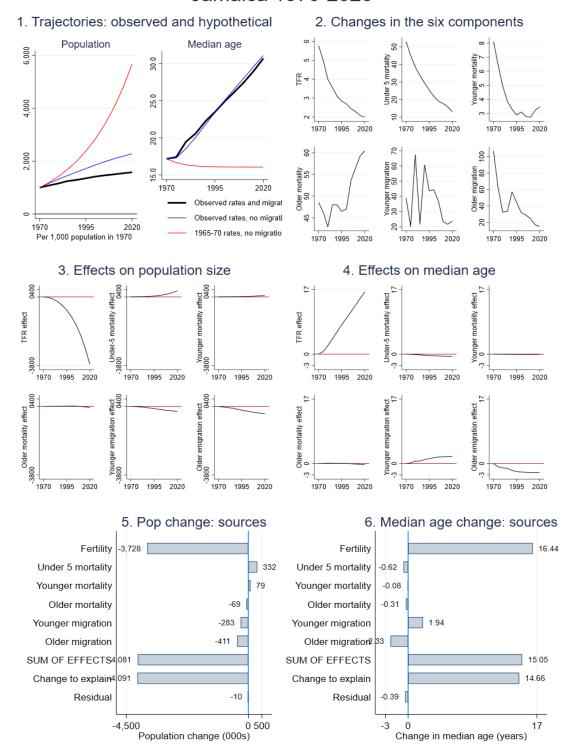
Change in median age (years)

Population change (000s)

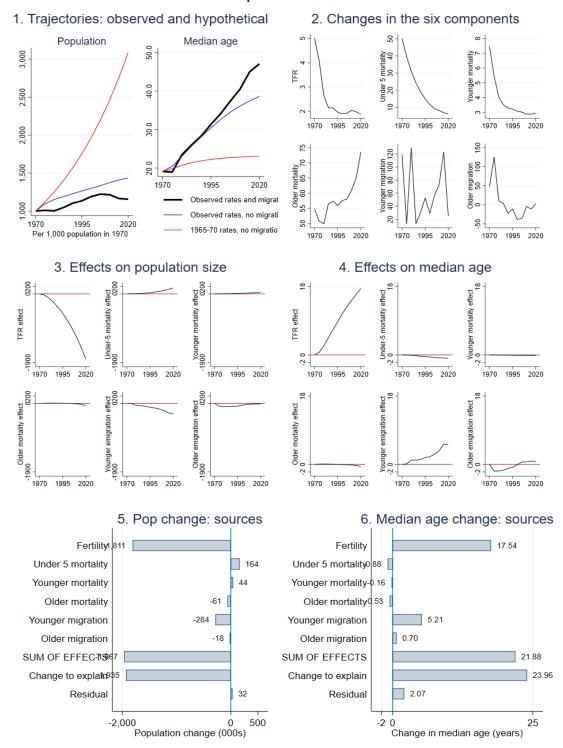
Change in population and median age: Haiti 1970-2020



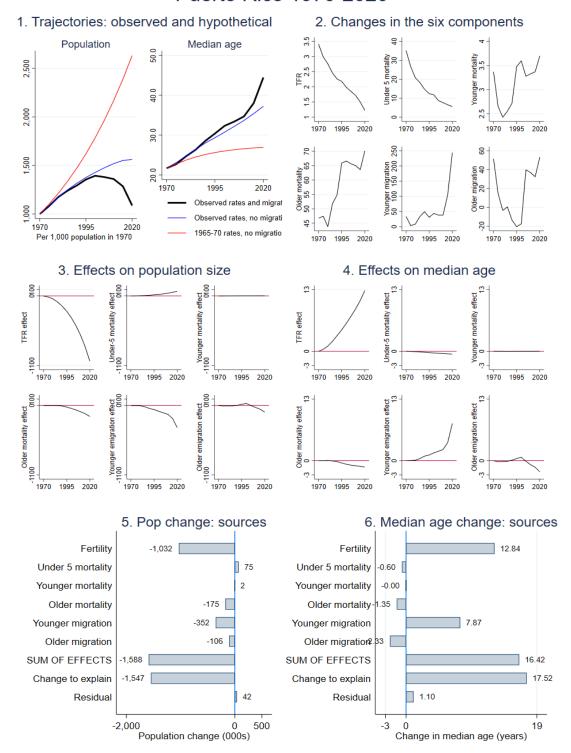
Change in population and median age: Jamaica 1970-2020



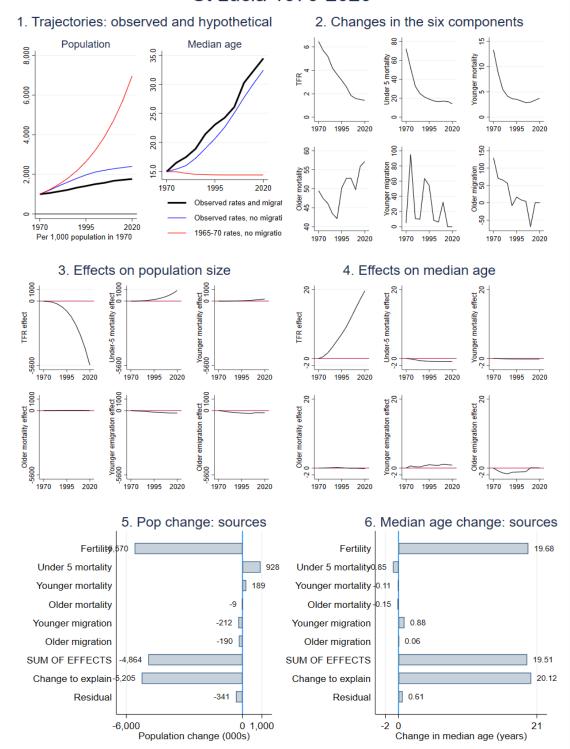
Change in population and median age: Martinique 1970-2020



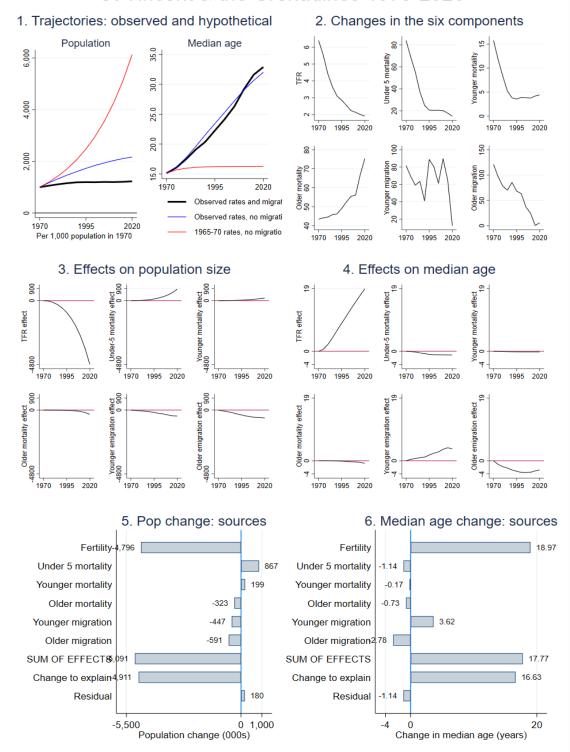
Change in population and median age: Puerto Rico 1970-2020



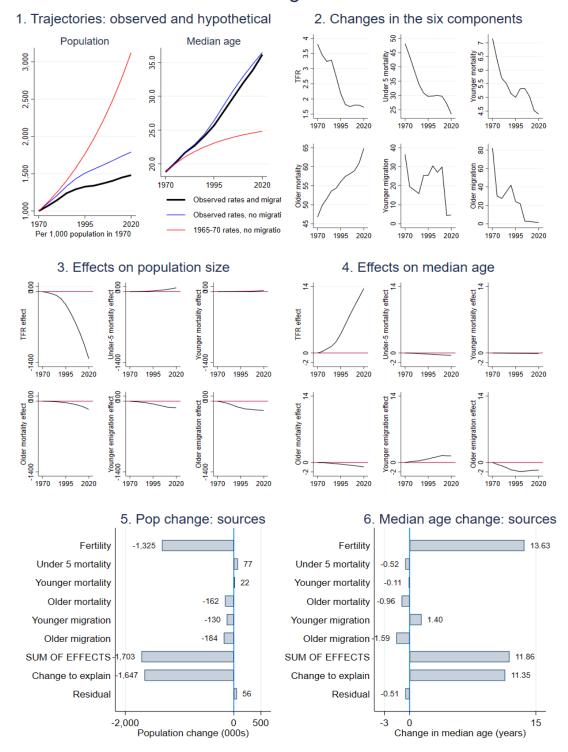
Change in population and median age: St Lucia 1970-2020



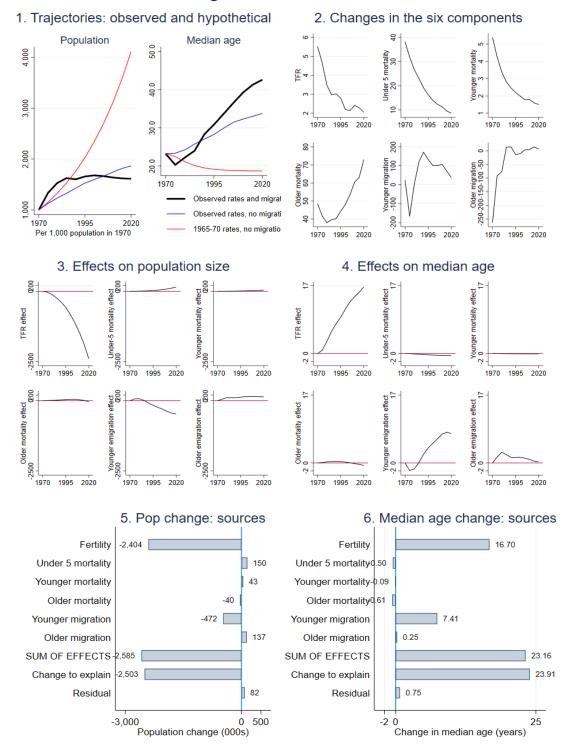
Change in population and median age: St Vincent & the Grenadines 1970-2020



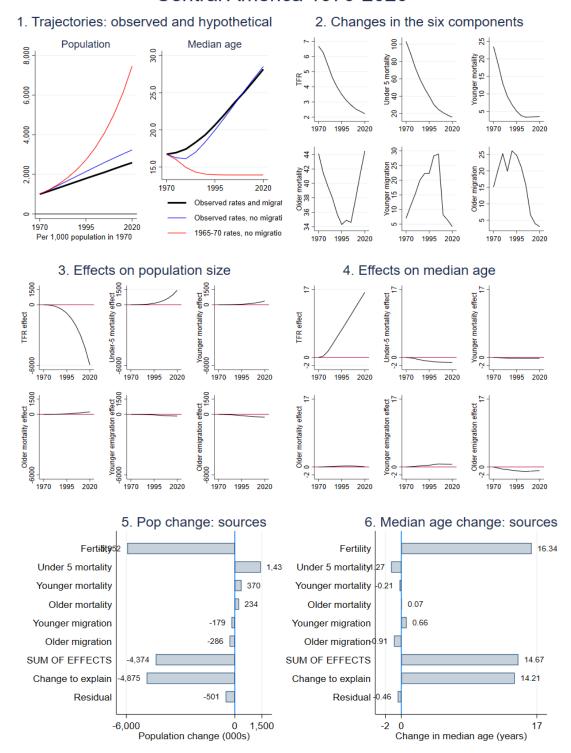
Change in population and median age: Trinidad & Tobago 1970-2020



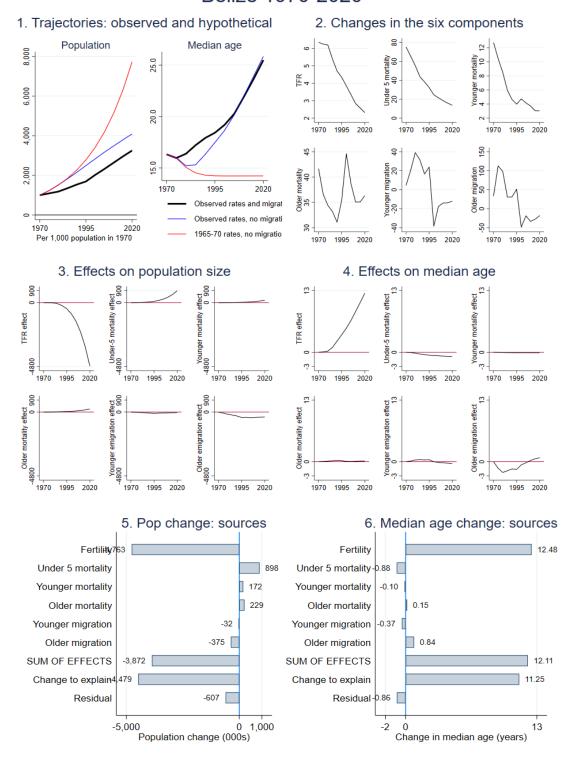
Change in population and median age: US Virgin Islands 1970-2020



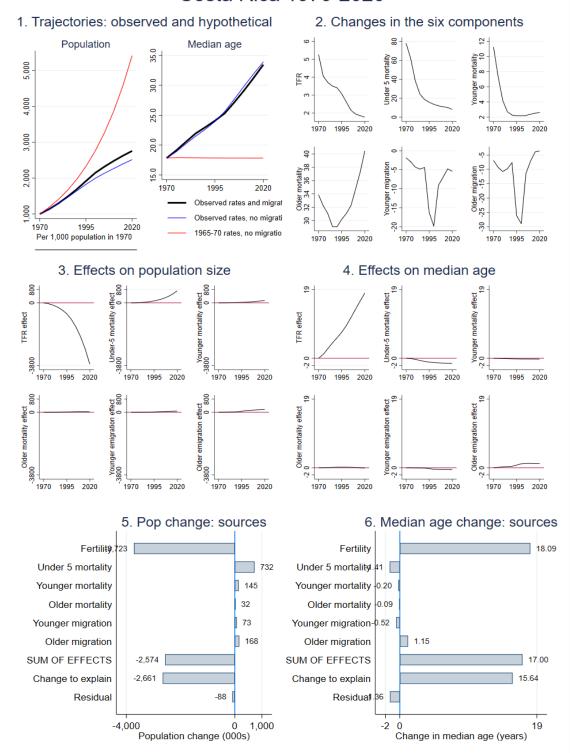
Change in population and median age: Central America 1970-2020



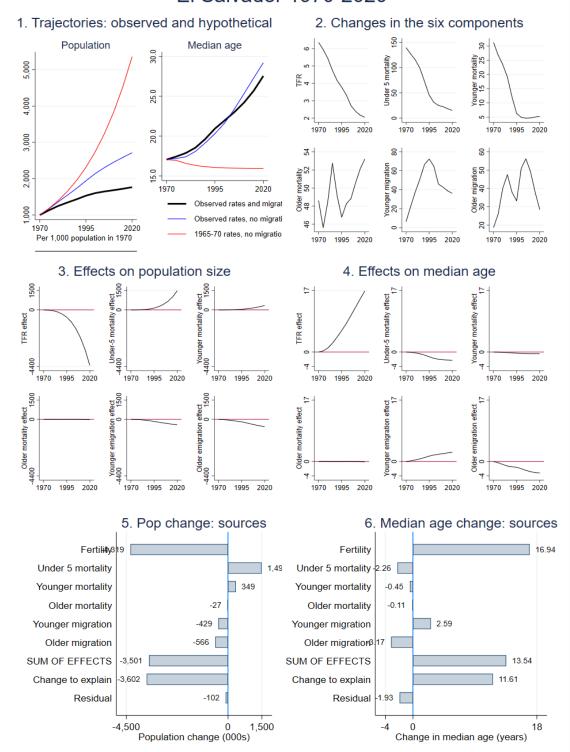
Change in population and median age: Belize 1970-2020



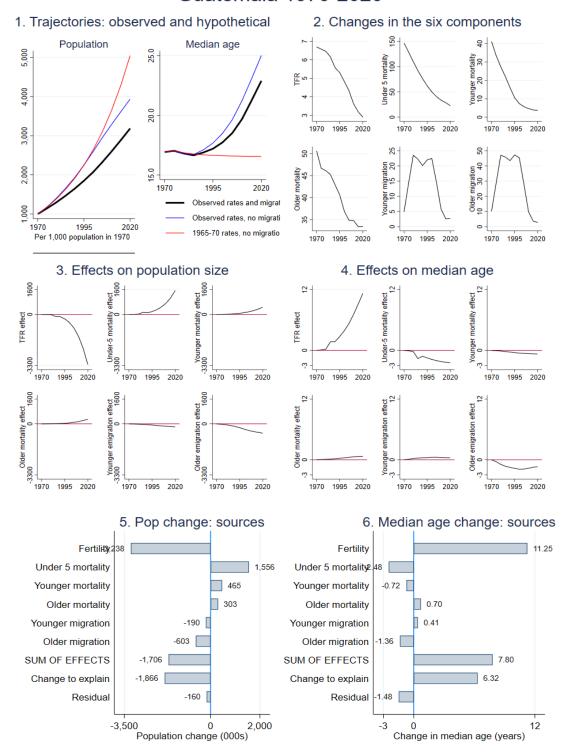
Change in population and median age: Costa Rica 1970-2020



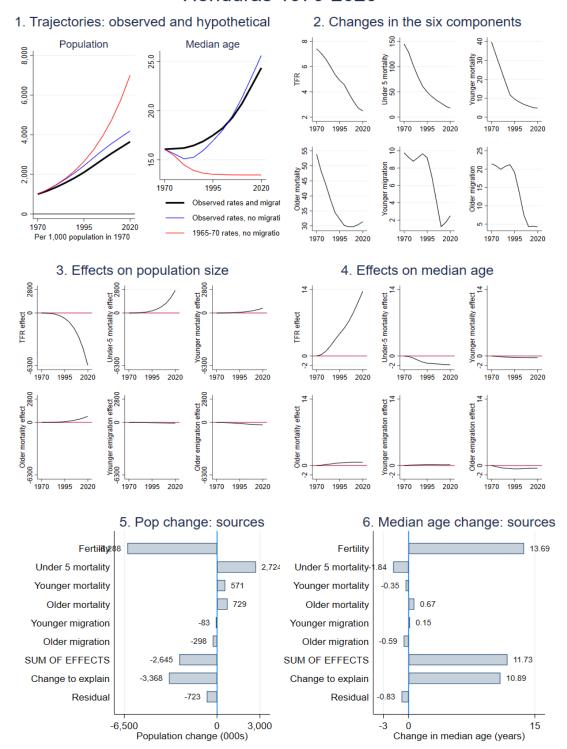
Change in population and median age: El Salvador 1970-2020



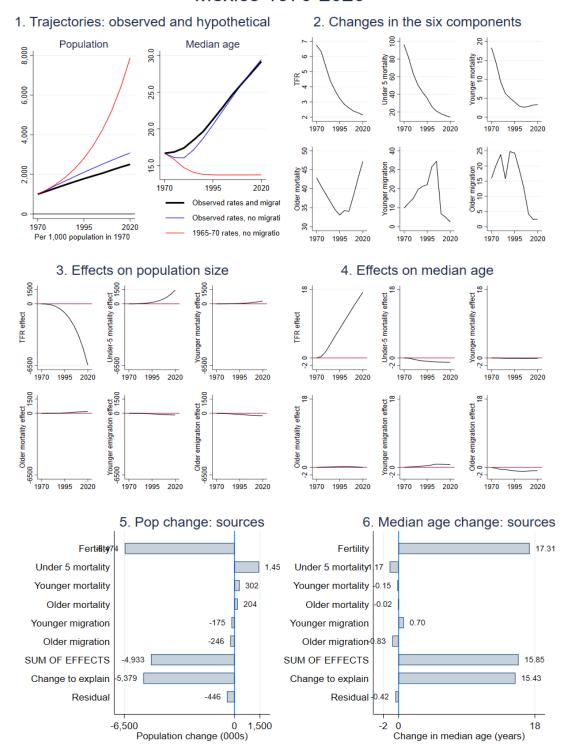
Change in population and median age: Guatemala 1970-2020



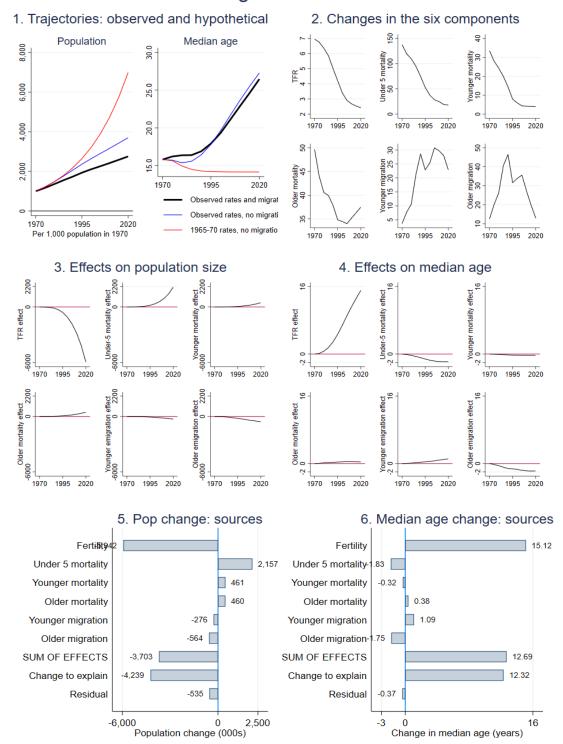
Change in population and median age: Honduras 1970-2020



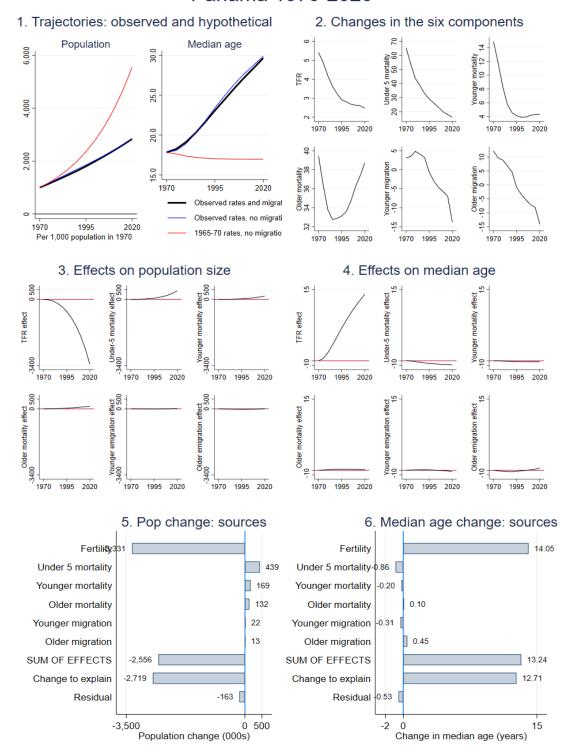
Change in population and median age: Mexico 1970-2020



Change in population and median age: Nicaragua 1970-2020

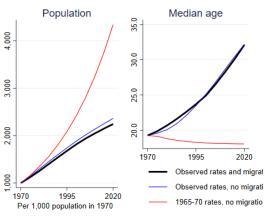


Change in population and median age: Panama 1970-2020

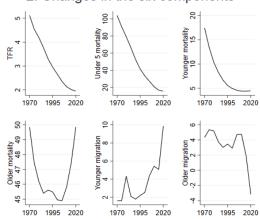


Change in population and median age: South America 1970-2020

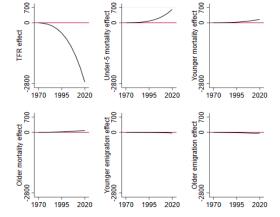
1. Trajectories: observed and hypothetical



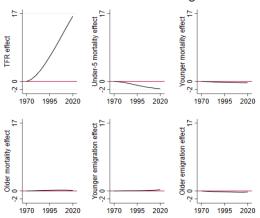
2. Changes in the six components



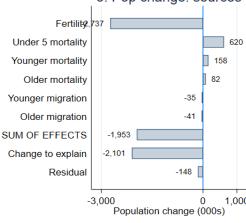
3. Effects on population size



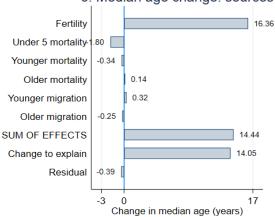
4. Effects on median age



5. Pop change: sources



6. Median age change: sources



Change in population and median age: Argentina 1970-2020

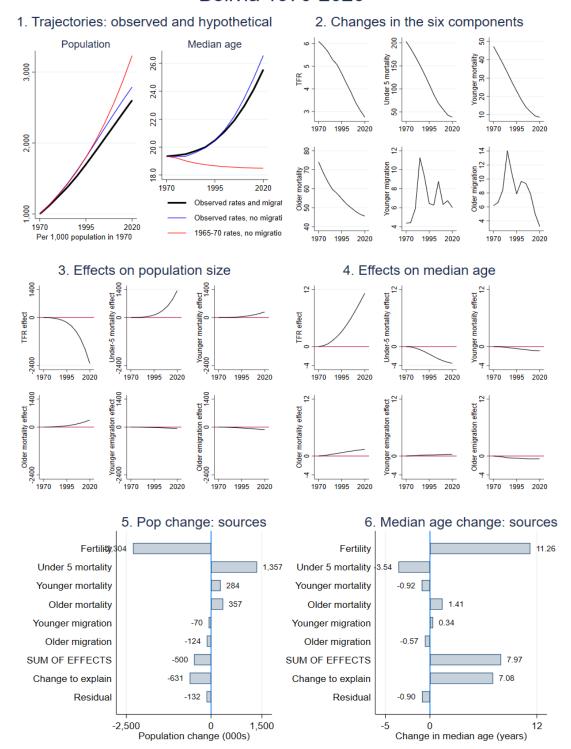
1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age Under 5 1 20 30 10 1970 1995 2020 1970 1995 2020 1970 1995 2020 1,500 28.0 26.0 Observed rates and migrat Older 64 Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio 1995 2020 1970 1995 1970 1995 2020 1970 3. Effects on population size 4. Effects on median age 100 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect 0 mortality effect 1970 1995 2020 1995 2020 1970 1995 2020 1995 2020 5. Pop change: sources 6. Median age change: sources Fertility -213 Fertility Under 5 mortality Under 5 mortality 1.44 Younger mortality Younger mortality -0.27 -0.12 Older mortality -11 Older mortality Younger migration Younger migration -0.03 Older migration -15 Older migration -0.19 SUM OF EFFECTS -118 SUM OF EFFECTS 1.76 Change to explain 1.32 -120 Change to explain Residual Residual -0.44

500

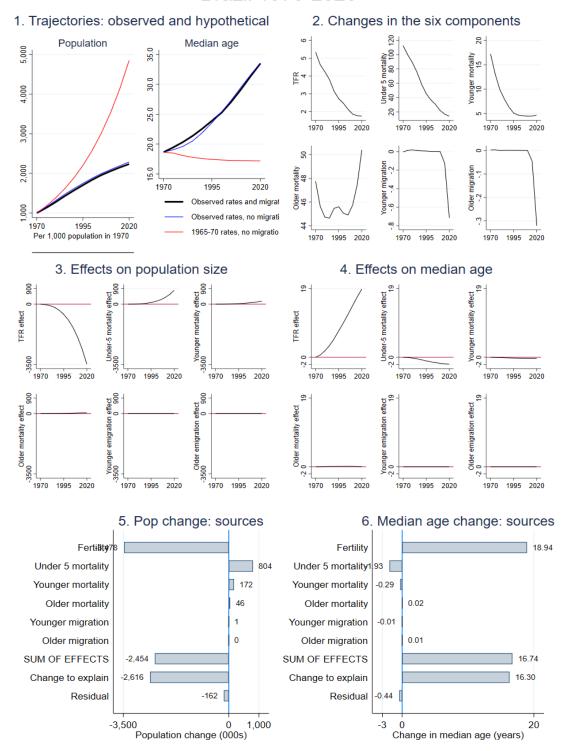
Change in median age (years)

Population change (000s)

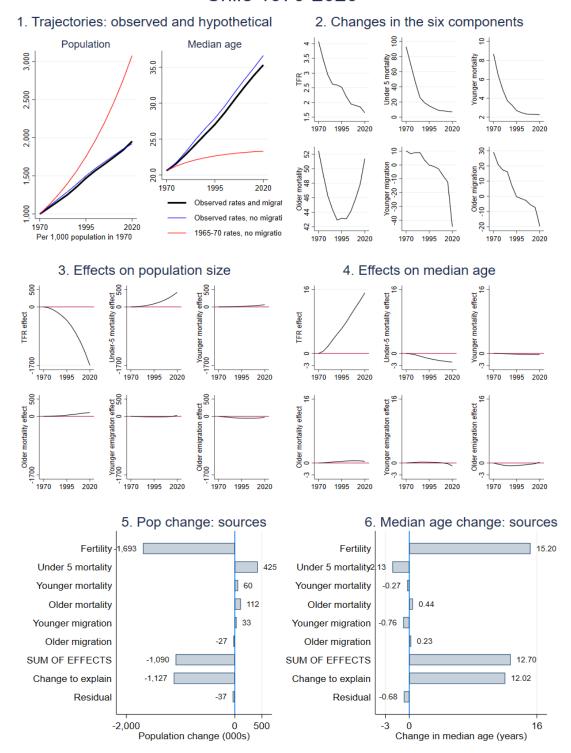
Change in population and median age: Bolivia 1970-2020



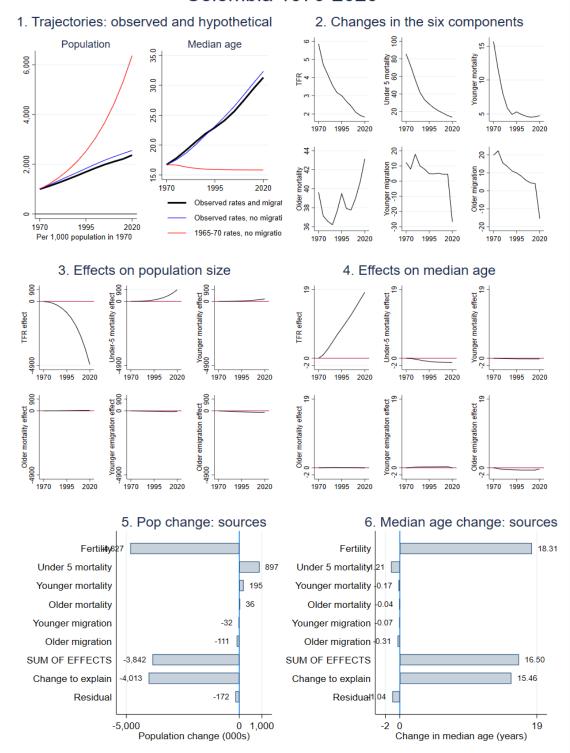
Change in population and median age: Brazil 1970-2020



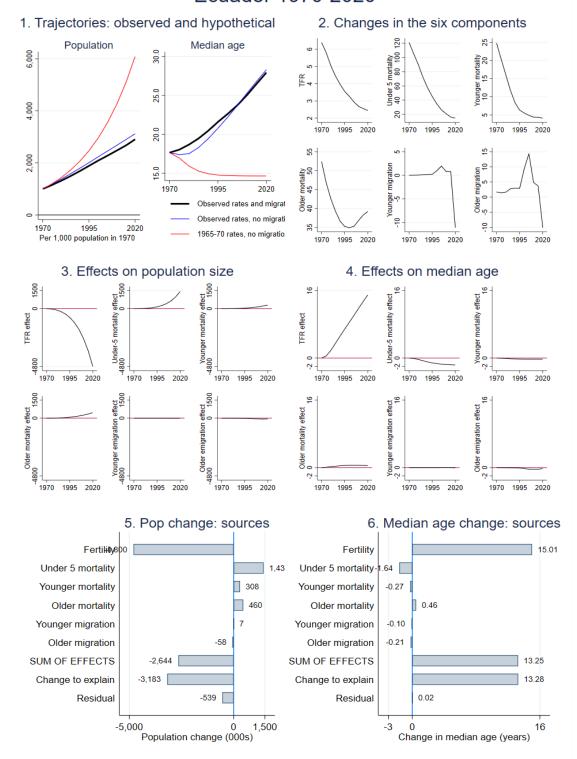
Change in population and median age: Chile 1970-2020



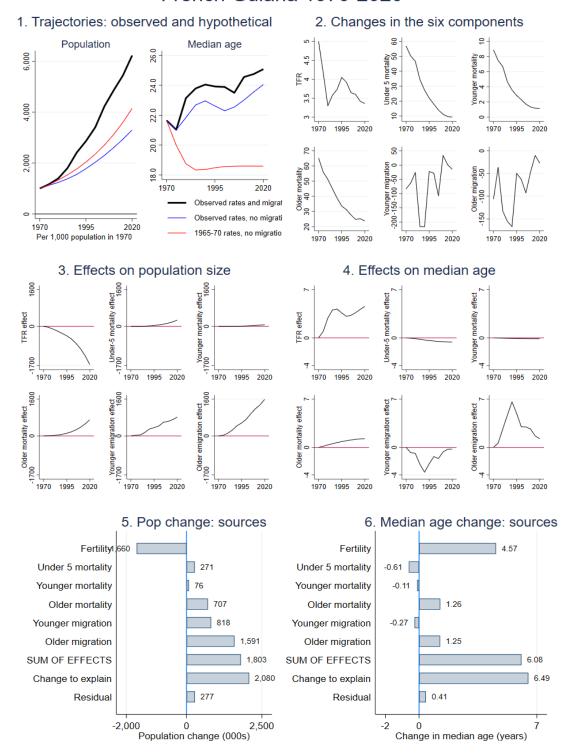
Change in population and median age: Colombia 1970-2020



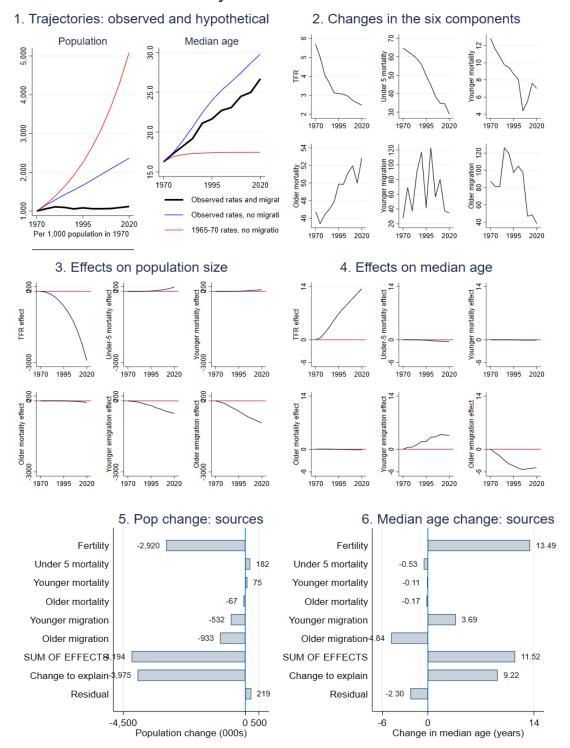
Change in population and median age: Ecuador 1970-2020



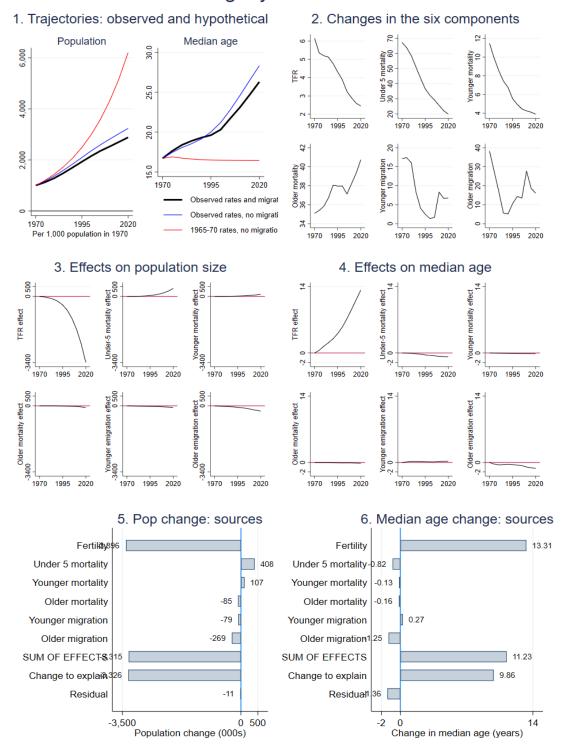
Change in population and median age: French Guiana 1970-2020



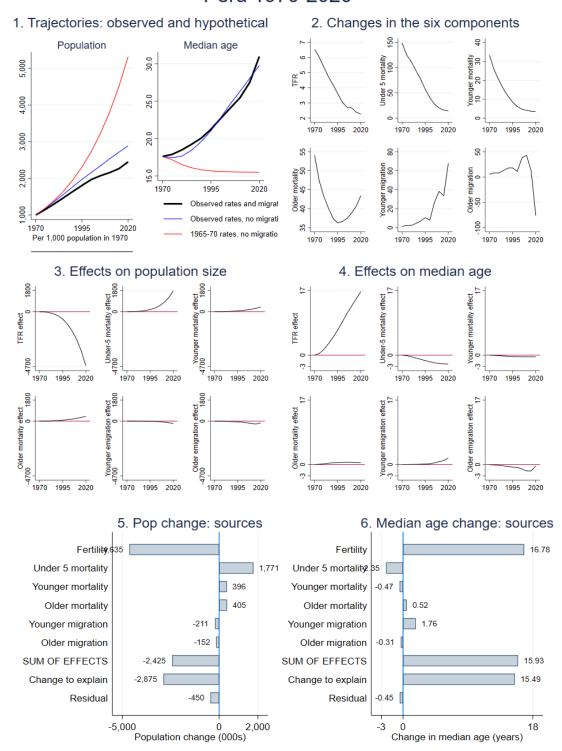
Change in population and median age: Guyana 1970-2020



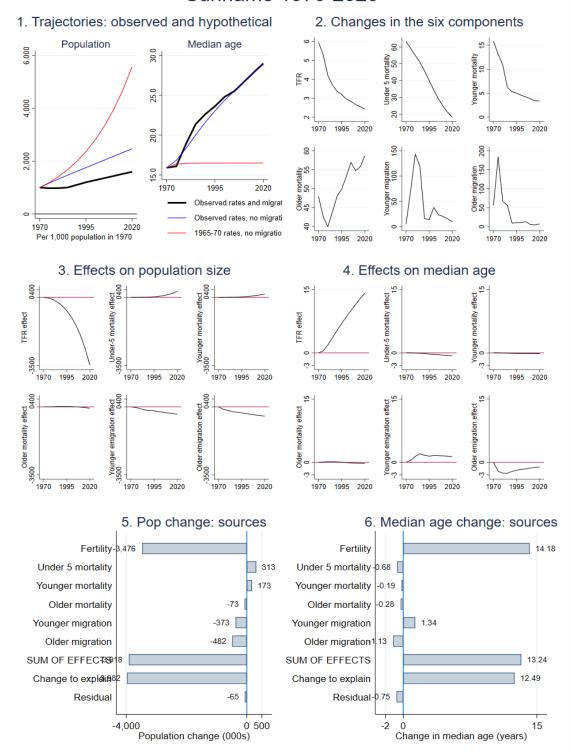
Change in population and median age: Paraguay 1970-2020



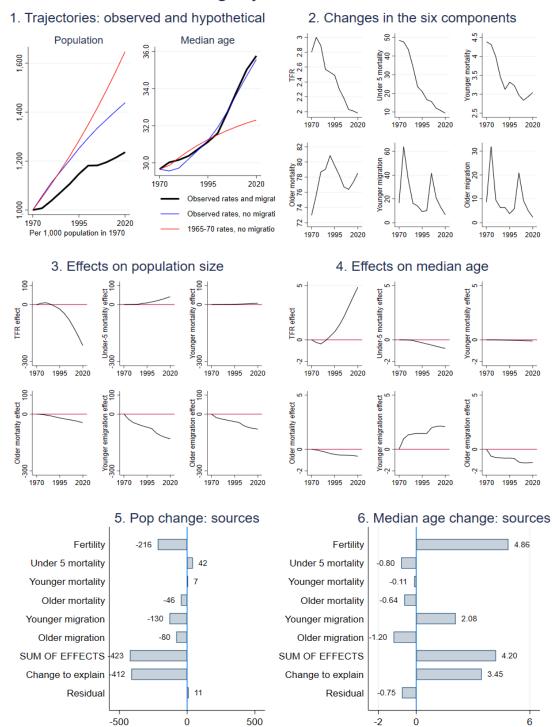
Change in population and median age: Peru 1970-2020



Change in population and median age: Suriname 1970-2020



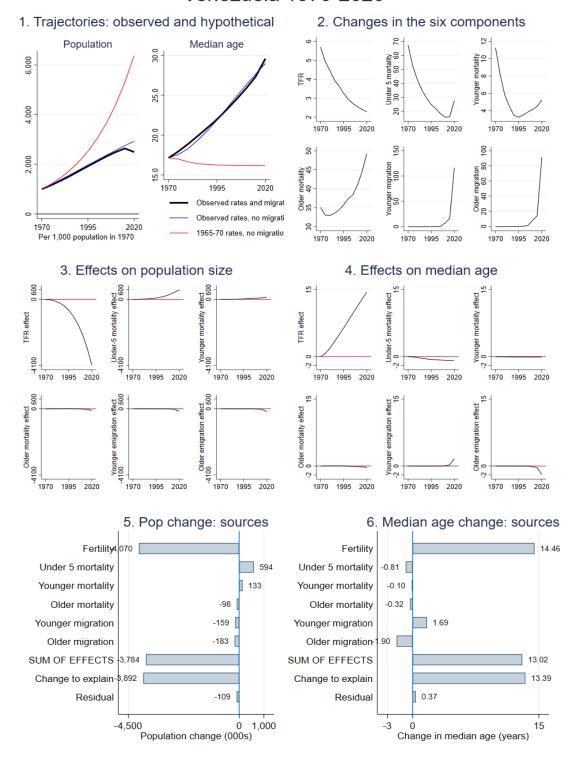
Change in population and median age: Uruguay 1970-2020



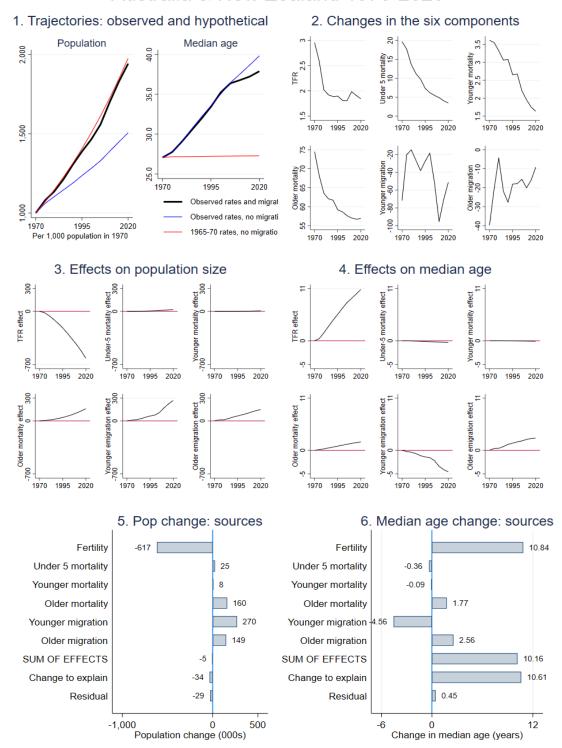
Change in median age (years)

Population change (000s)

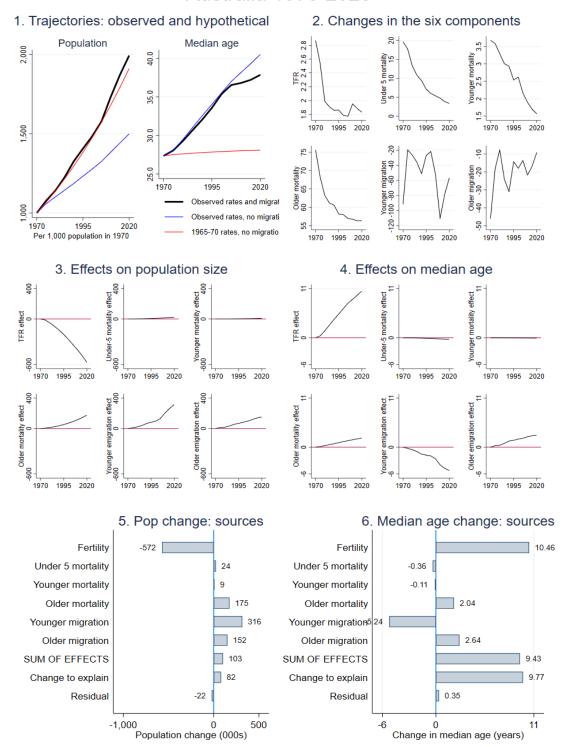
Change in population and median age: Venezuela 1970-2020



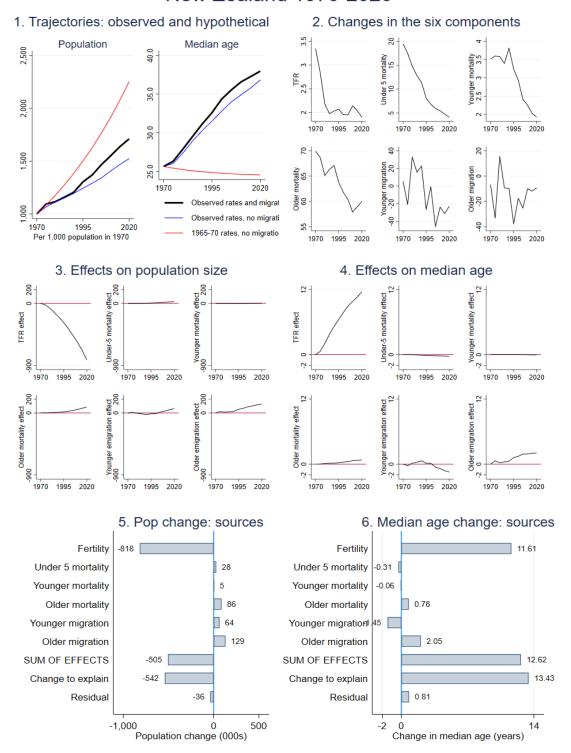
Change in population and median age: Australia & New Zealand 1970-2020



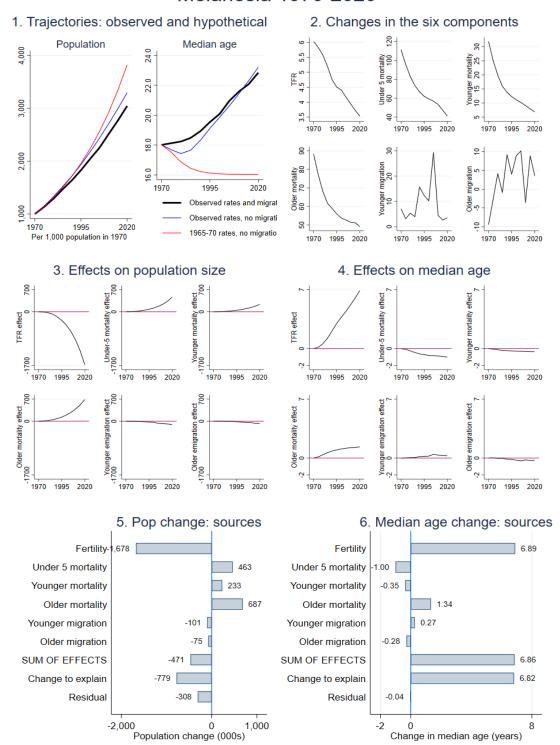
Change in population and median age: Australia 1970-2020



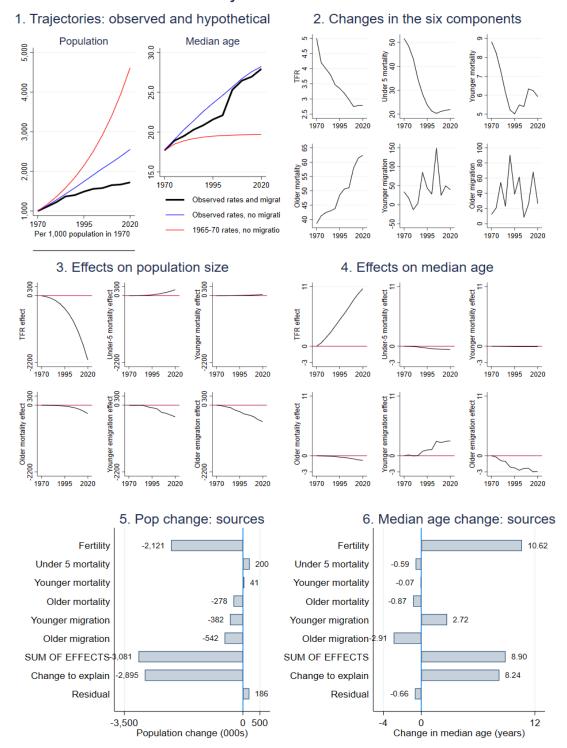
Change in population and median age: New Zealand 1970-2020



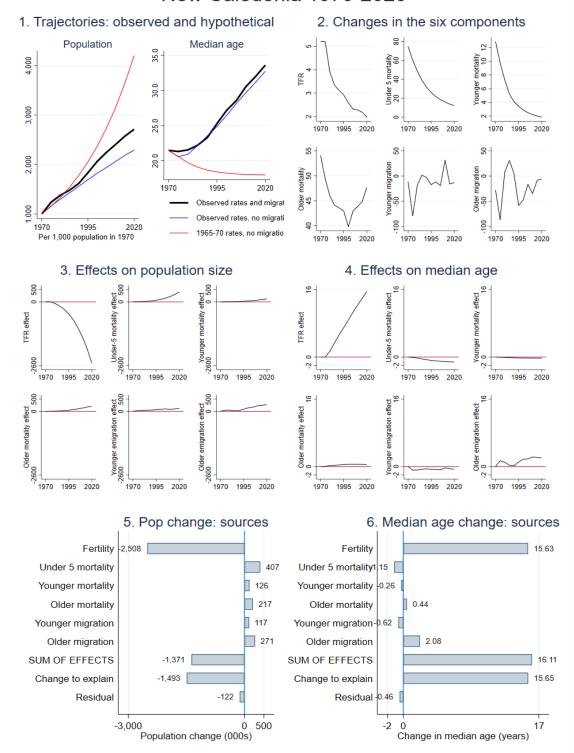
Change in population and median age: Melanesia 1970-2020



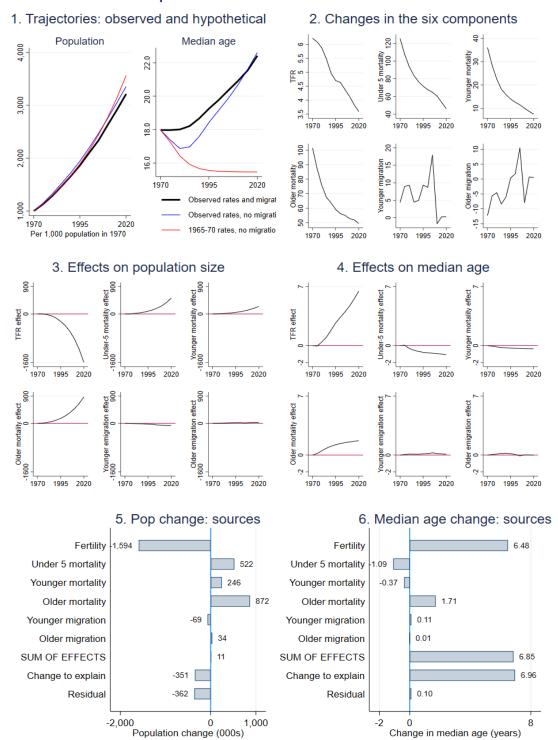
Change in population and median age: Fiji 1970-2020



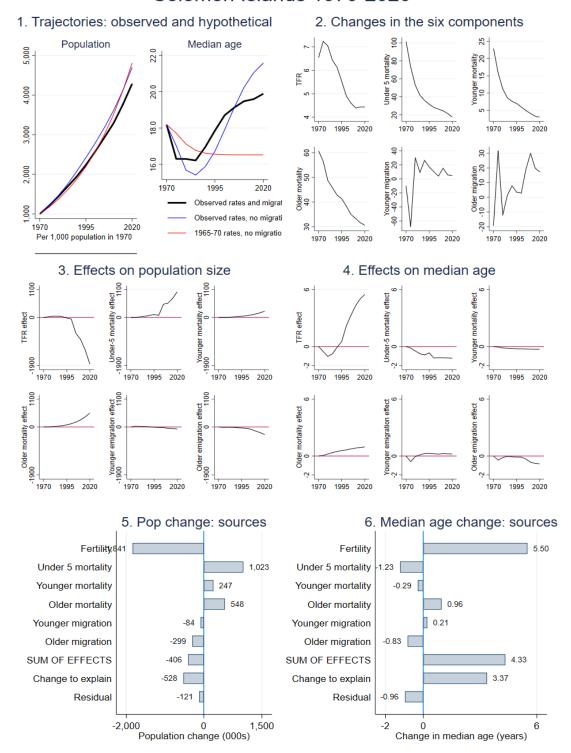
Change in population and median age: New Caledonia 1970-2020



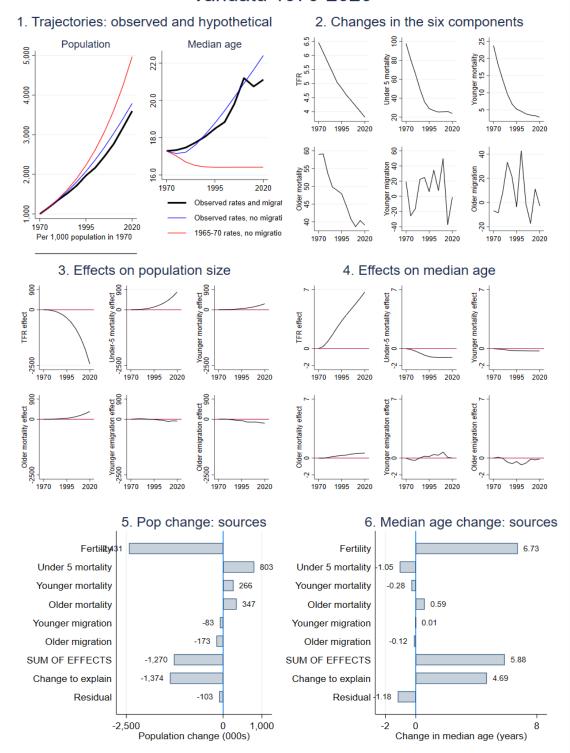
Change in population and median age: Papua New Guinea 1970-2020



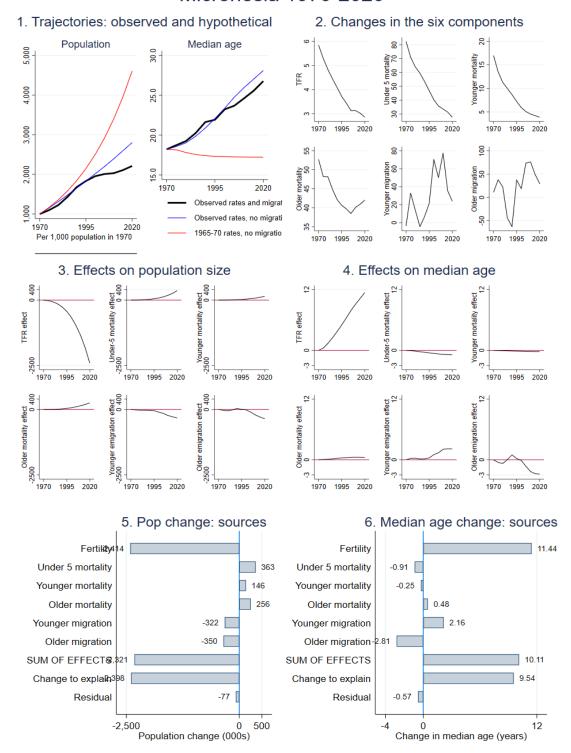
Change in population and median age: Solomon Islands 1970-2020



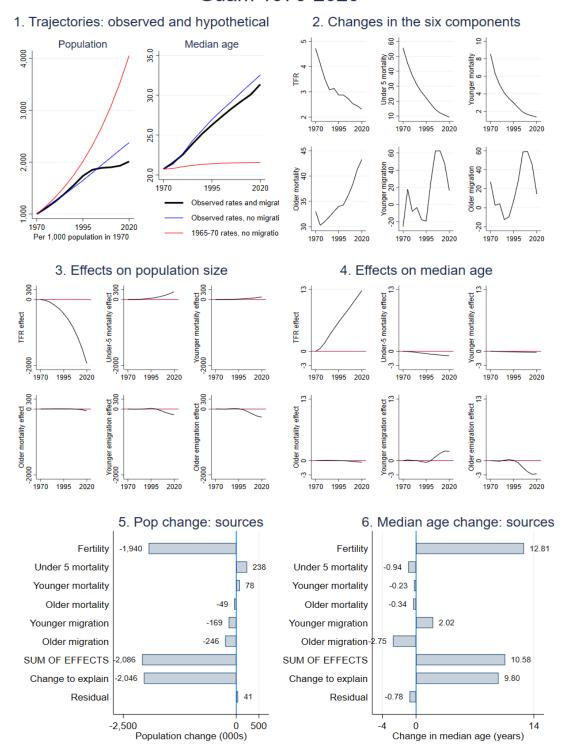
Change in population and median age: Vanuatu 1970-2020



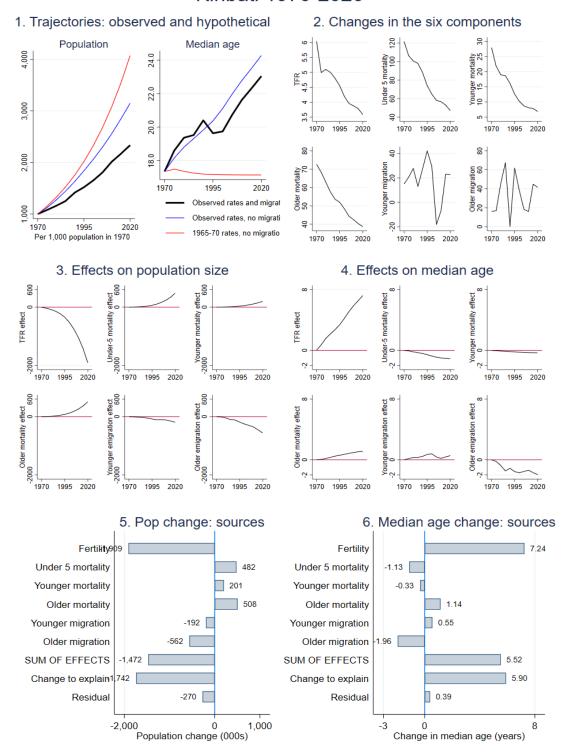
Change in population and median age: Micronesia 1970-2020



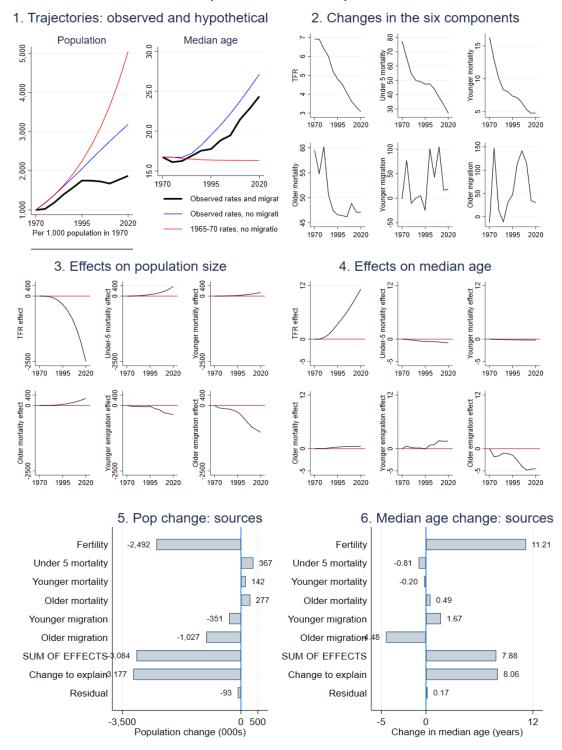
Change in population and median age: Guam 1970-2020



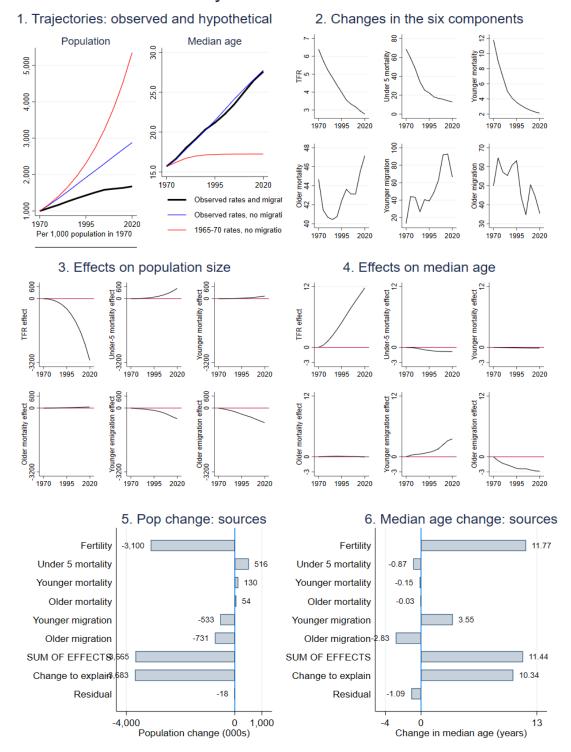
Change in population and median age: Kiribati 1970-2020



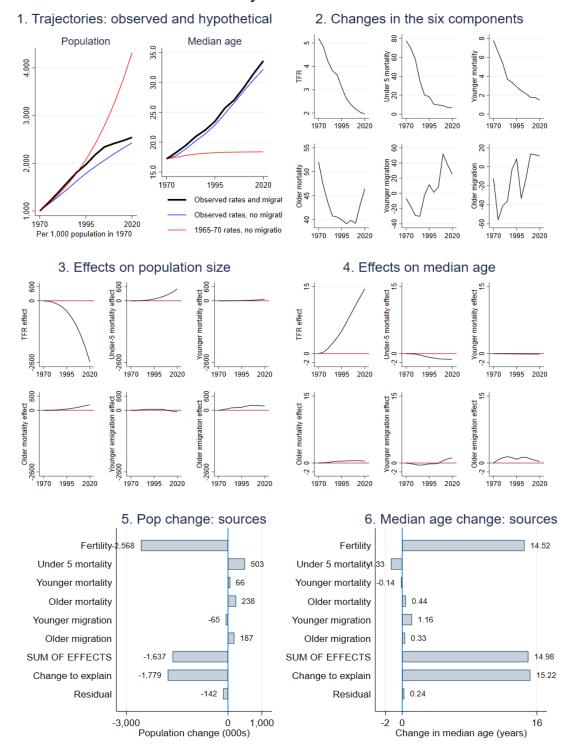
Change in population and median age: Micronesia (Fed. States of) 1970-2020



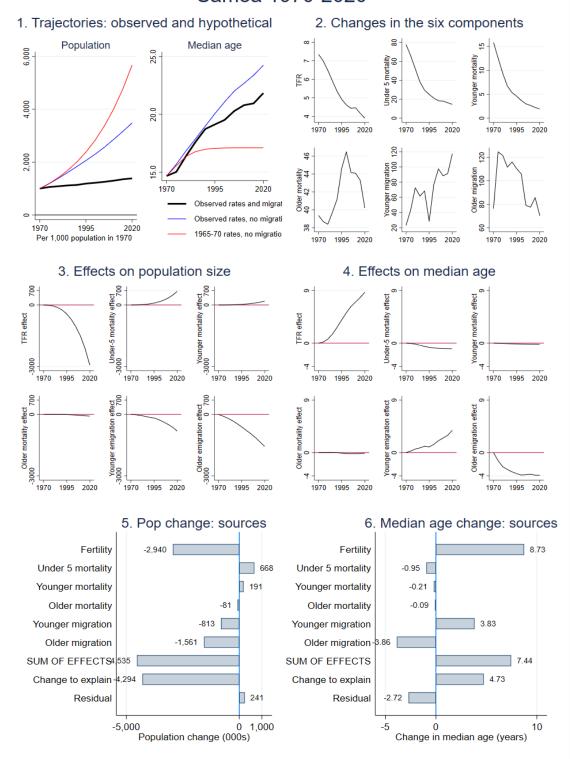
Change in population and median age: Polynesia 1970-2020



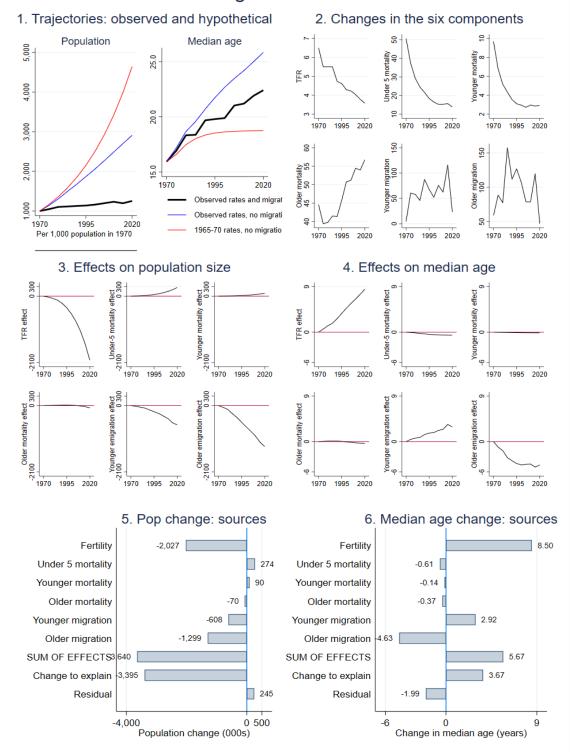
Change in population and median age: French Polynesia 1970-2020



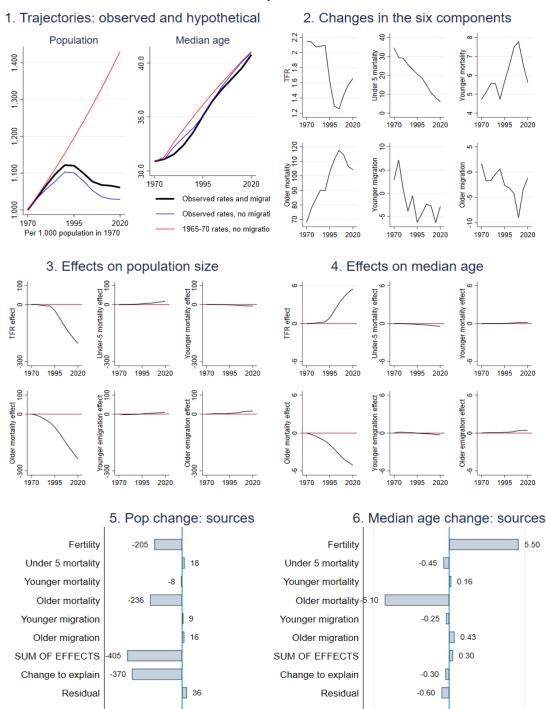
Change in population and median age: Samoa 1970-2020



Change in population and median age: Tonga 1970-2020



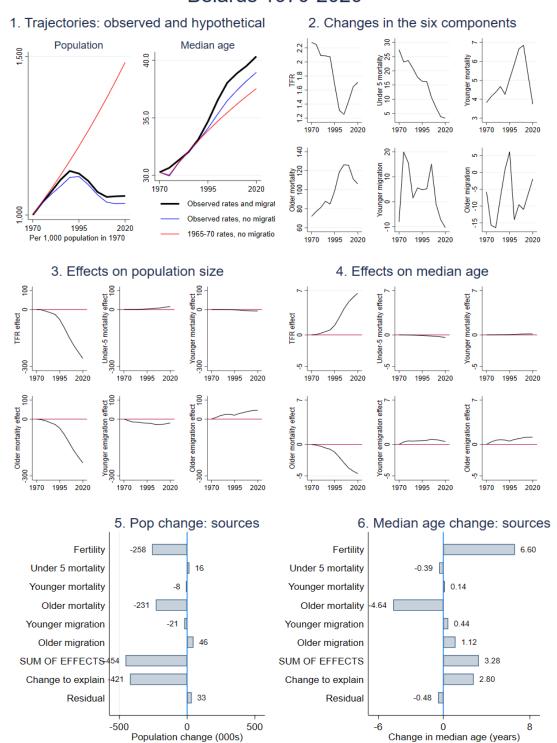
Change in population and median age: Eastern Europe 1970-2020



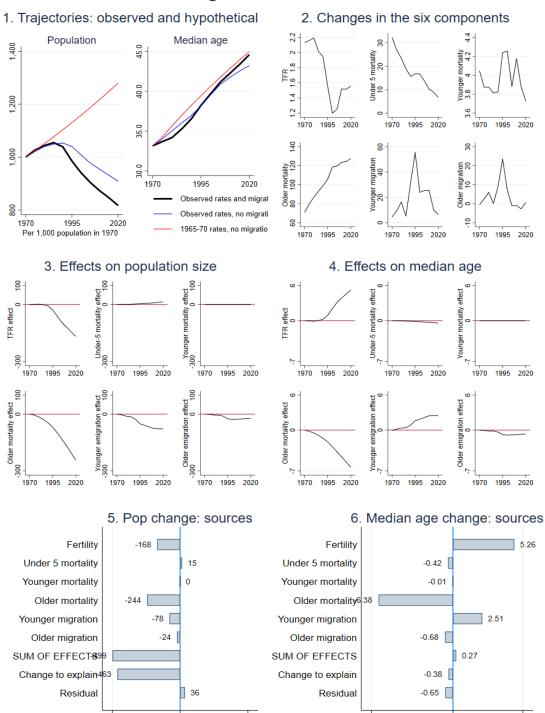
500

Change in median age (years)

Change in population and median age: Belarus 1970-2020



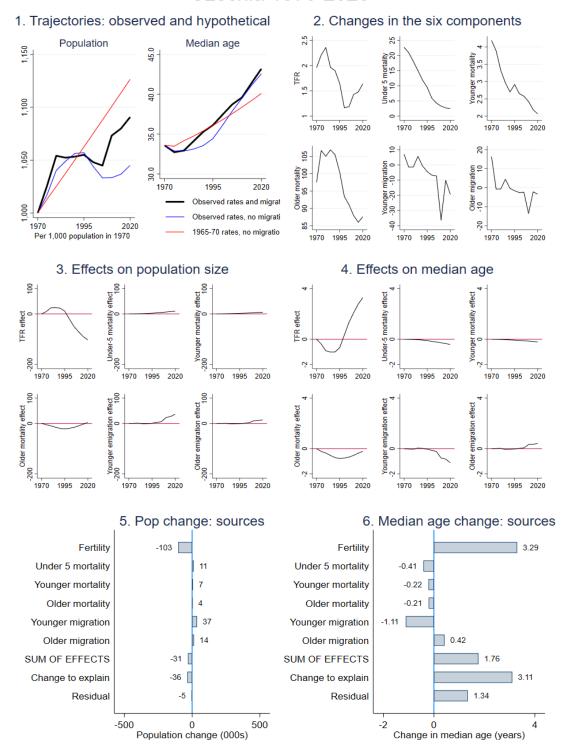
Change in population and median age: Bulgaria 1970-2020



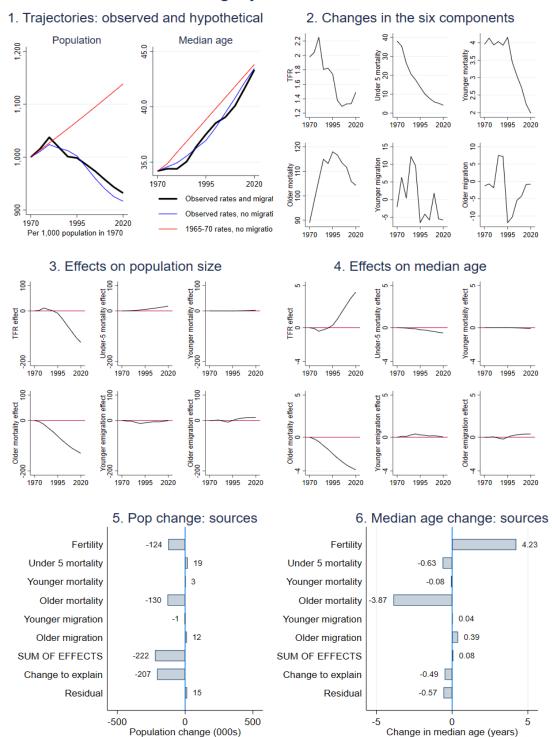
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Change in median age (years)

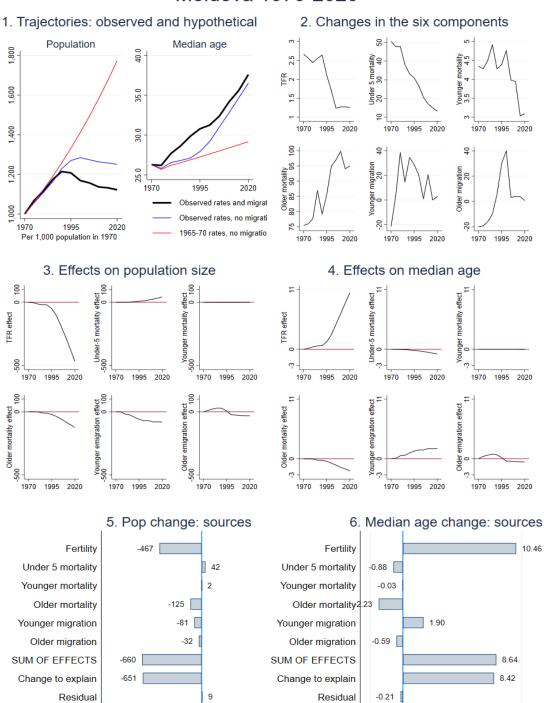
Change in population and median age: Czechia 1970-2020



Change in population and median age: Hungary 1970-2020



Change in population and median age: Moldova 1970-2020



Change in median age (years)

Change in population and median age: Poland 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age Jnder 10 1,400 35.0 1970 1995 2020 1995 1995 1970 1,200 nortality 75 81 Older m. 70 1970 Observed rates and migrat Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio 1995 2020 1995 2020 1970 1970 1970 1995 2020 3. Effects on population size 4. Effects on median age 100 TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 00 Older mortality effect 0 mortality effect 1995 2020 1970 1995 2020 1995 2020 1970 1995 1995 2020 5. Pop change: sources 6. Median age change: sources Fertility -293 Fertility Under 5 mortality 31 Under 5 mortality -0.68 Younger mortality Younger mortality -0.06 -150 Older mortality 2.89 Older mortality Younger migration -30 Younger migration 0.73 Older migration -25 Older migration -0.59 SUM OF EFFECTS464 SUM OF EFFECTS 3.65 Change to explain 2.89 Change to explain Residual 43 Residual -0.75

500

Change in median age (years)

Change in population and median age: Romania 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age 1,600 40.0 5 10 1,400 1970 1995 2020 1970 1995 1995 2020 35.0 110 1,200 mortality 90 100 migra 40 1970 Observed rates and migrat Older 80 Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio 1995 2020 1995 2020 1970 1970 1995 2020 1970 3. Effects on population size 4. Effects on median age TFR effect TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect mortality effect emigration 1995 2020 1995 1970 1995 2020 1995 2020 5. Pop change: sources 6. Median age change: sources Fertility -529 Fertility Under 5 mortality 58 Under 5 mortality -1.10 Younger mortality Younger mortality -0.15 -185 Older mortality3 17 Older mortality Younger migration -120 Younger migration 3.29 -1.15 Older migration -46 Older migration SUM OF EFFECTS SUM OF EFFECTS 10.09 Change to explain 10.15 Change to explain

Residual

0.06

Change in median age (years)

36

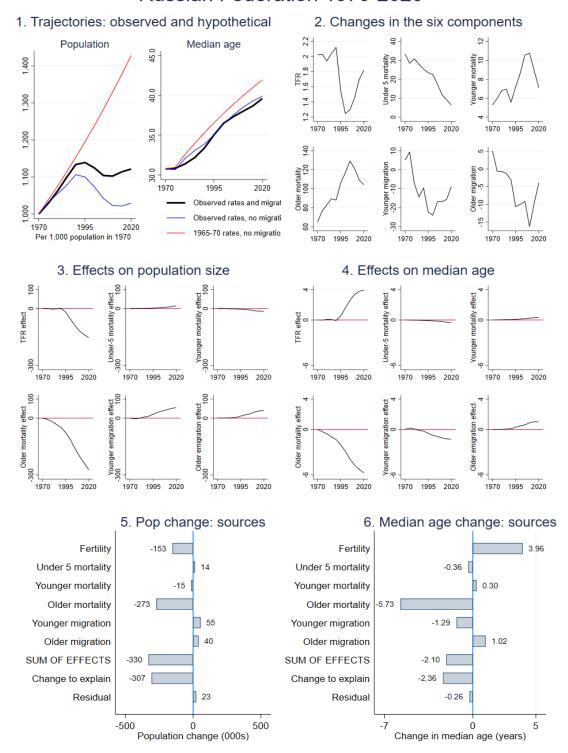
Population change (000s)

500

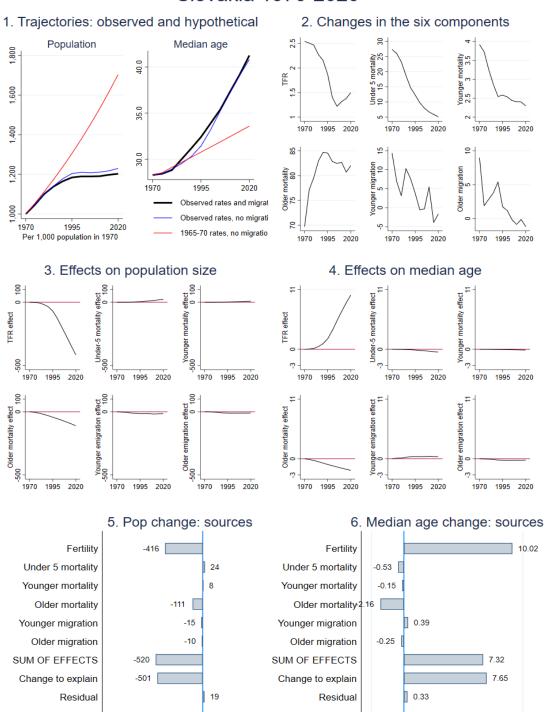
Residual

-1,000

Change in population and median age: Russian Federation 1970-2020



Change in population and median age: Slovakia 1970-2020

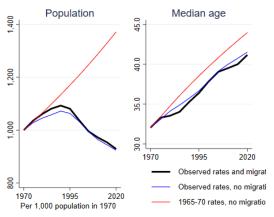


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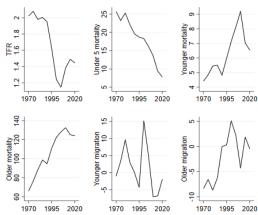
Change in median age (years)

Change in population and median age: Ukraine 1970-2020

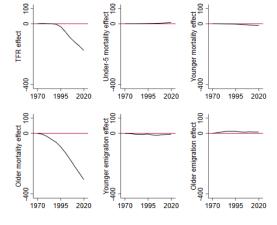
1. Trajectories: observed and hypothetical



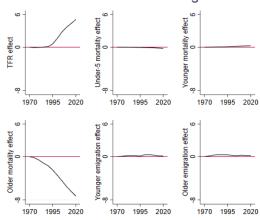
2. Changes in the six components



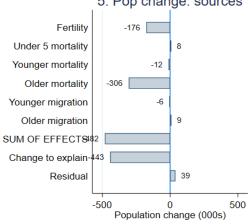
3. Effects on population size



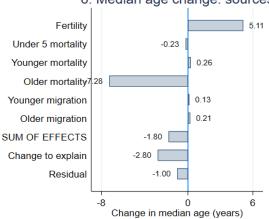
4. Effects on median age



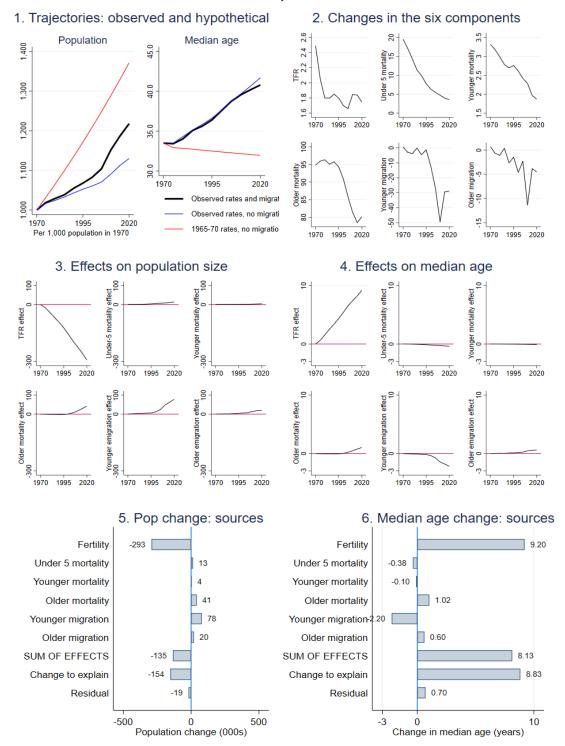
5. Pop change: sources



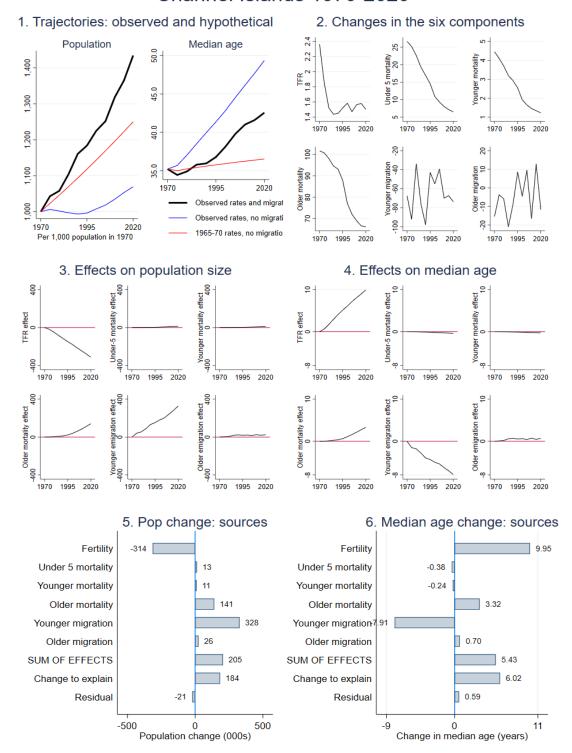
6. Median age change: sources



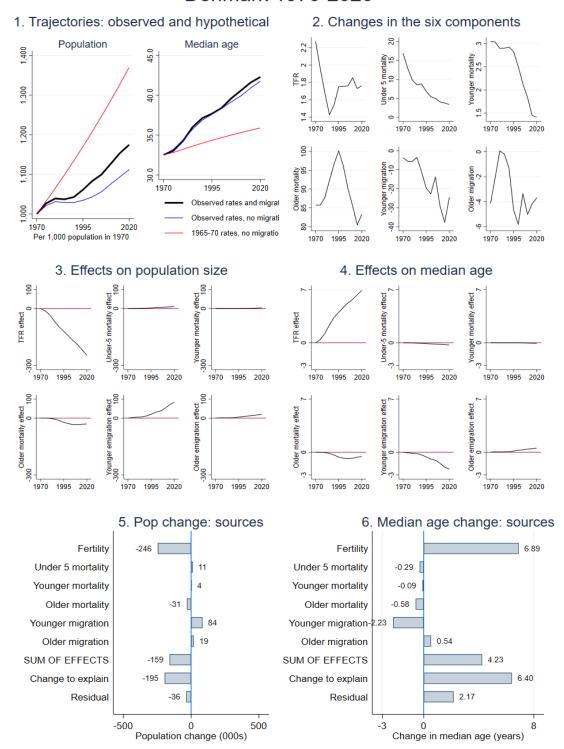
Change in population and median age: Northern Europe 1970-2020



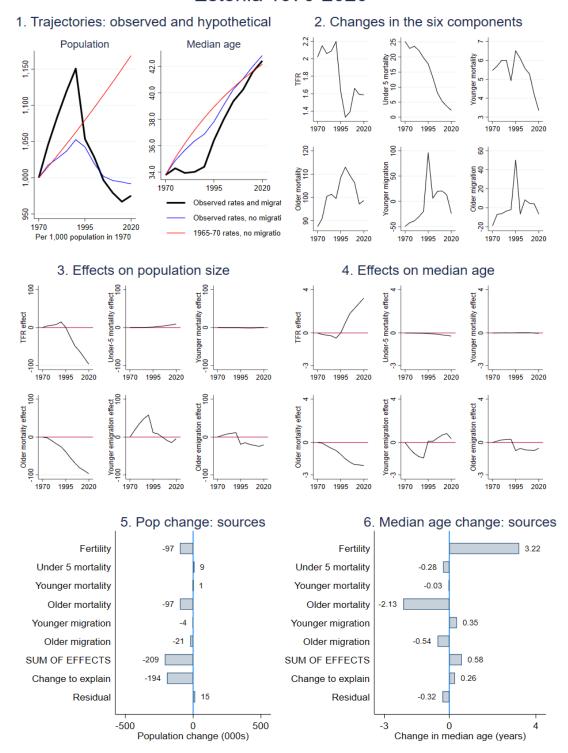
Change in population and median age: Channel Islands 1970-2020



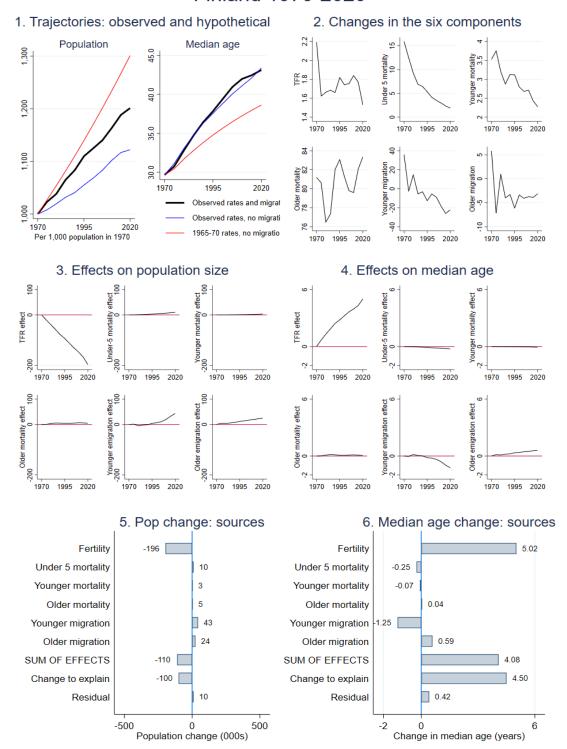
Change in population and median age: Denmark 1970-2020



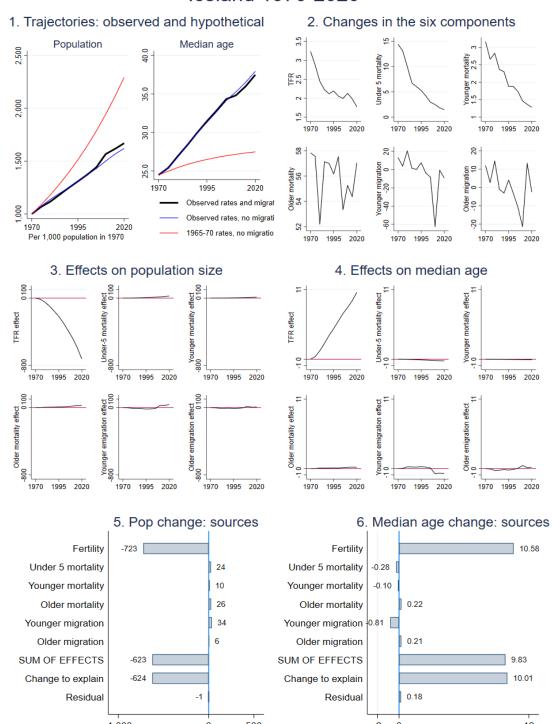
Change in population and median age: Estonia 1970-2020



Change in population and median age: Finland 1970-2020



Change in population and median age: Iceland 1970-2020



Change in median age (years)

Change in population and median age: Ireland 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age Under 5 10 30.0 2.5 1970 1995 2020 1970 1995 1995 1,500 nortality 80 9 1970 Older nr 60 70 Observed rates and migrat Observed rates, no migrati 1970 1995 2020 1965-70 rates, no migratio Per 1,000 population in 1970 1995 2020 1970 1970 1995 2020 1970 1995 2020 3. Effects on population size 4. Effects on median age 409 TFR effect 0 TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 400 emigration effect Older mortality effect Older mortality effect 1995 1995 2020 1995 2020 1970 1995 1995 5. Pop change: sources 6. Median age change: sources Fertility 895 Fertility Under 5 mortality 0.56 Under 5 mortality 44 Younger mortality Younger mortality-0.05 3.60 Older mortality Older mortality 24 Younger migration Younger migration 0.62 119 Older migration Older migration 2.24 SUM OF EFFECTS -358 SUM OF EFFECTS 21.02 22.95 Change to explain -478 Change to explain Residual -120 Residual 1.94

Change in median age (years)

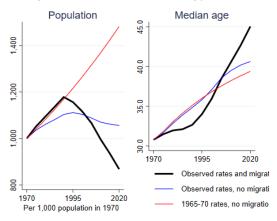
Change in population and median age: Latvia 1970-2020

1. Trajectories: observed and hypothetical 2. Changes in the six components Population Median age 1,100 4. 40.0 000' 1.2 1970 1995 1970 1995 1970 1995 120 9 900 r mortality 100 110 Observed rates and migrat Older 90 Observed rates, no migrati 2020 1970 1995 1965-70 rates, no migratio Per 1,000 population in 1970 1970 1995 2020 1995 2020 1995 2020 1970 1970 3. Effects on population size 4. Effects on median age 100 TFR effect 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 1970 1995 2020 Older mortality effect Older mortality 0 1970 1995 2020 1995 2020 1970 1995 5. Pop change: sources 6. Median age change: sources Fertility -55 Fertility Under 5 mortality Under 5 mortality -0.21 Younger mortality Younger mortality -0.02 -141 Older mortality Older mortality Younger migration -80 Younger migration 3.54 -61 Older migration Older migration -1.91 SUM OF EFFECTS SUM OF EFFECTS -0.10 Change to explain Change to explain -0.74 -301 Residual 30 Residual -0.64

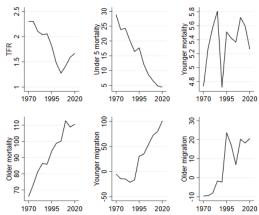
Change in median age (years)

Change in population and median age: Lithuania 1970-2020

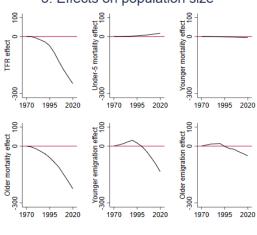
1. Trajectories: observed and hypothetical



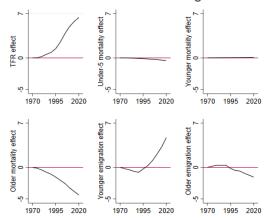
2. Changes in the six components

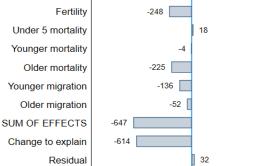


3. Effects on population size



4. Effects on median age



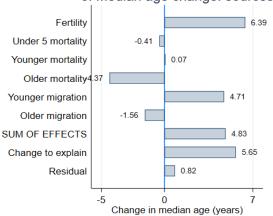


Population change (000s)

-1,000

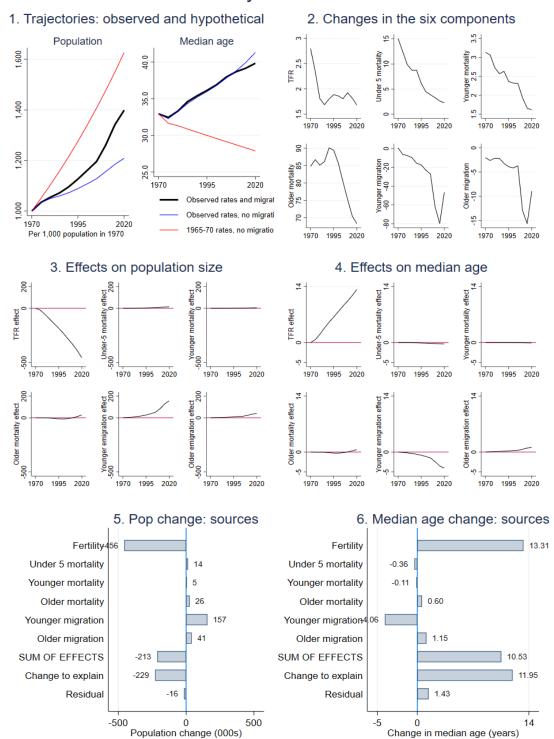
5. Pop change: sources

6. Median age change: sources

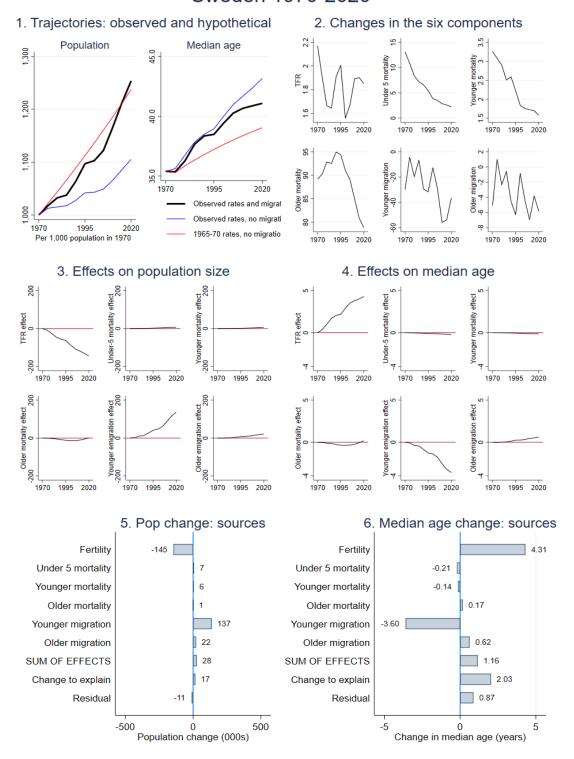


500

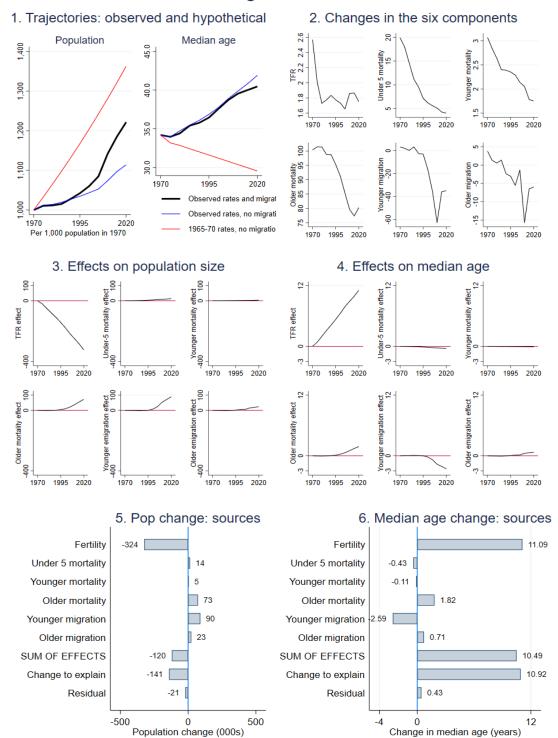
Change in population and median age: Norway 1970-2020



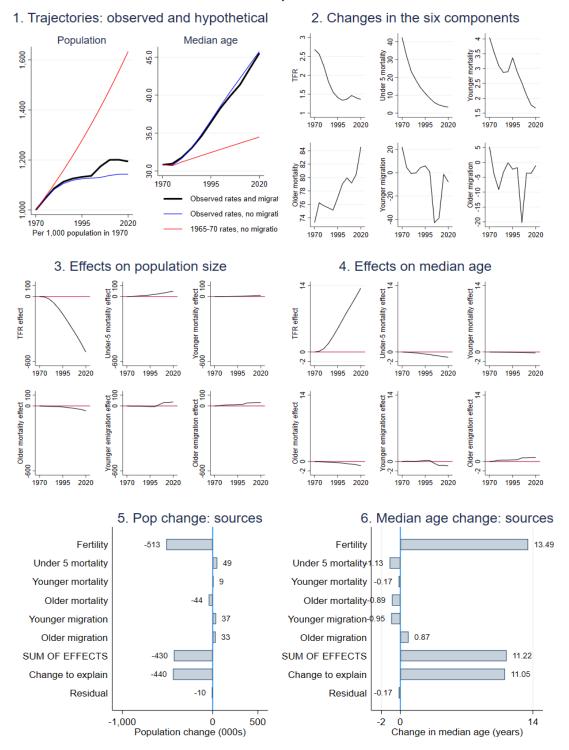
Change in population and median age: Sweden 1970-2020



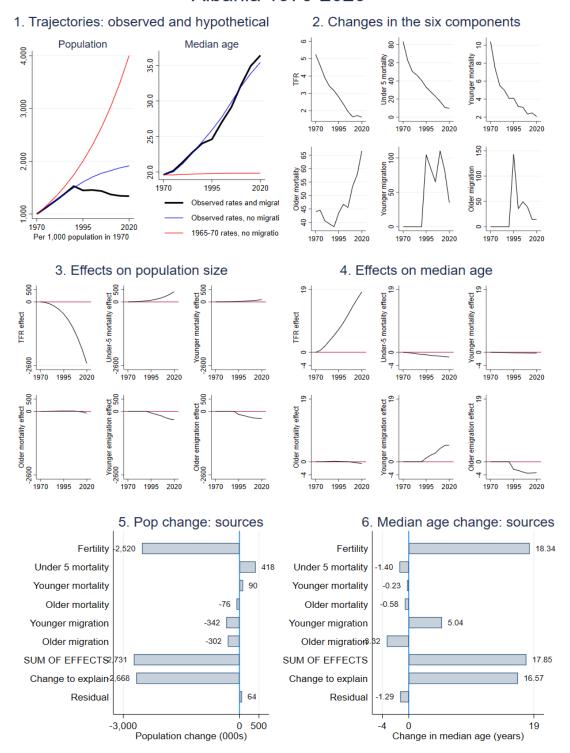
Change in population and median age: United Kingdom 1970-2020



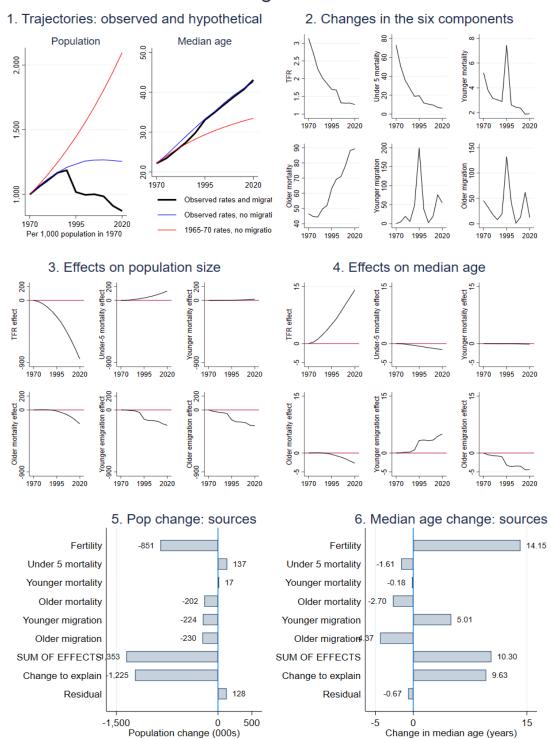
Change in population and median age: Southern Europe 1970-2020



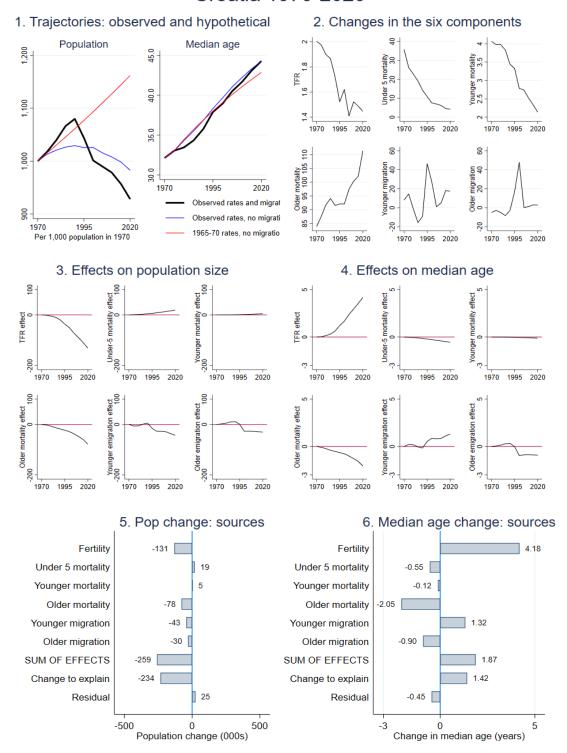
Change in population and median age: Albania 1970-2020



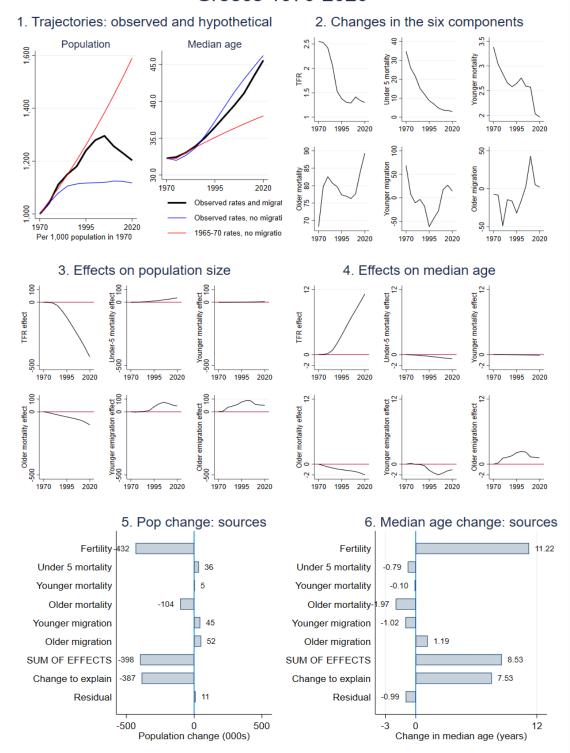
Change in population and median age: Bosnia & Herzegovina 1970-2020



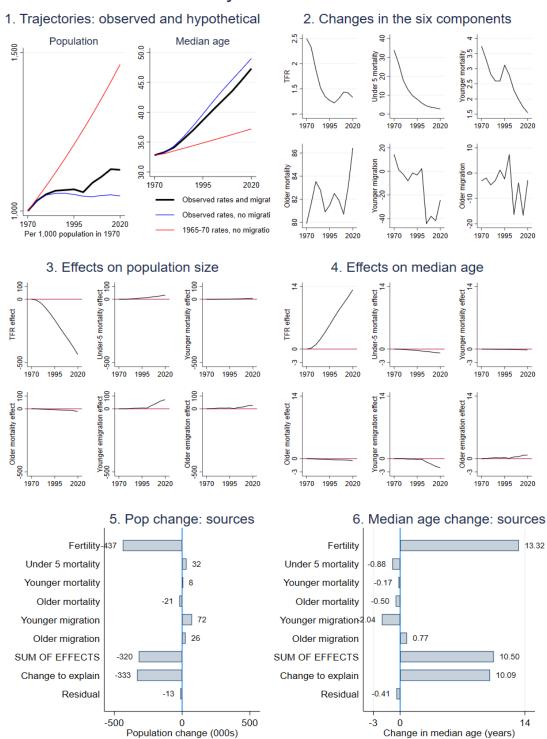
Change in population and median age: Croatia 1970-2020



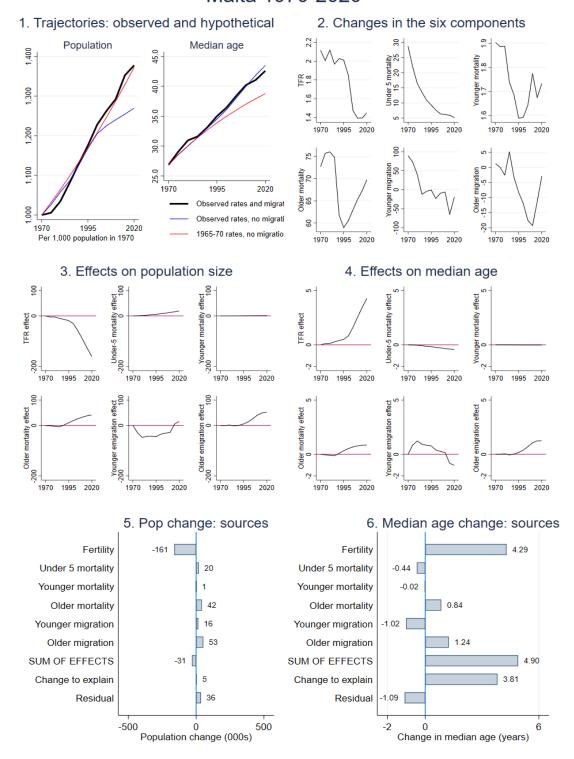
Change in population and median age: Greece 1970-2020



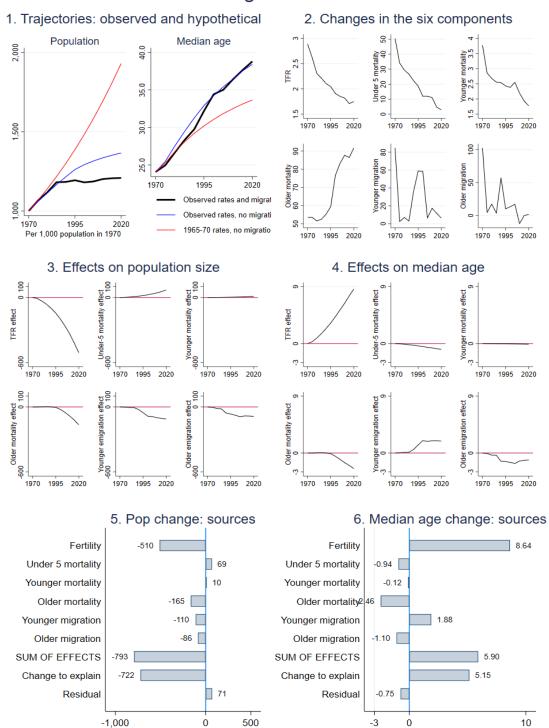
Change in population and median age: Italy 1970-2020



Change in population and median age: Malta 1970-2020

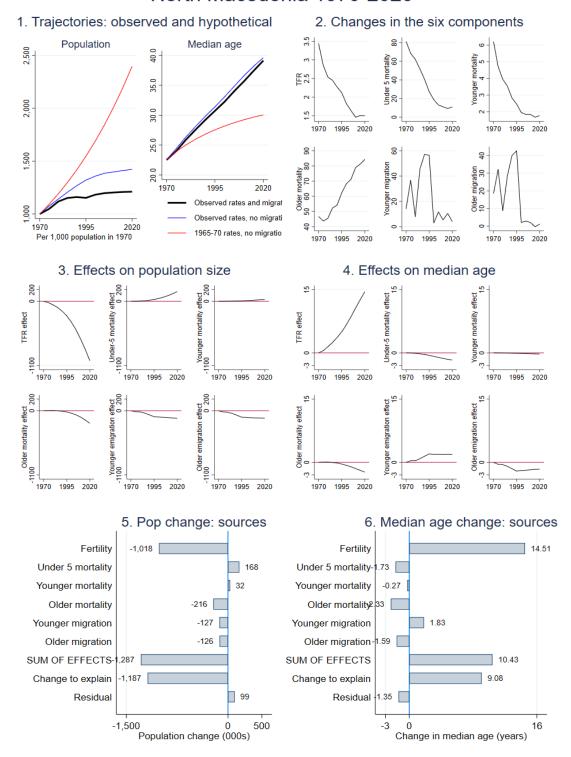


Change in population and median age: Montenegro 1970-2020

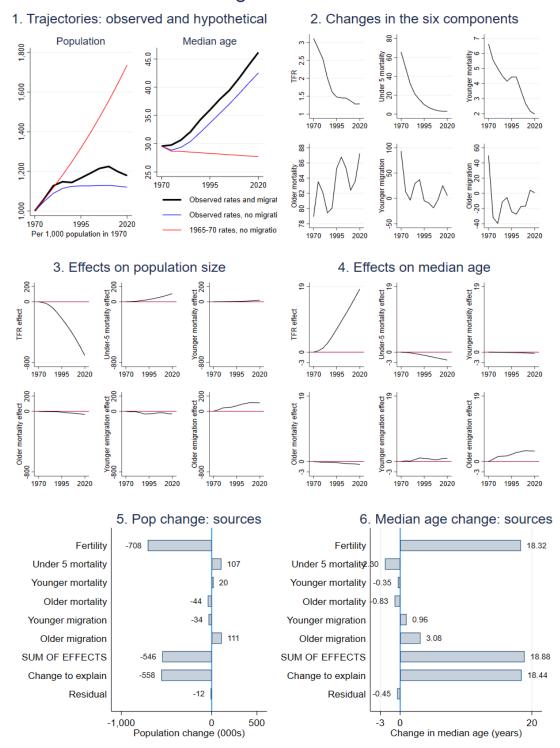


Change in median age (years)

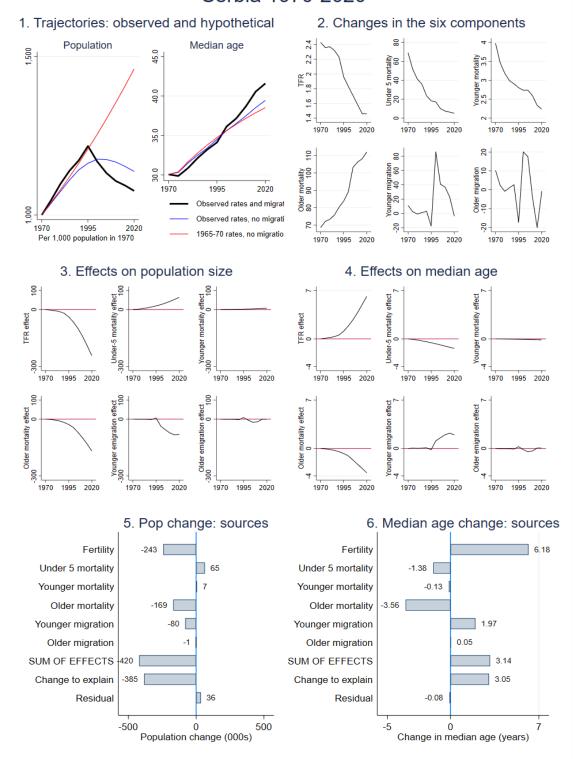
Change in population and median age: North Macedonia 1970-2020



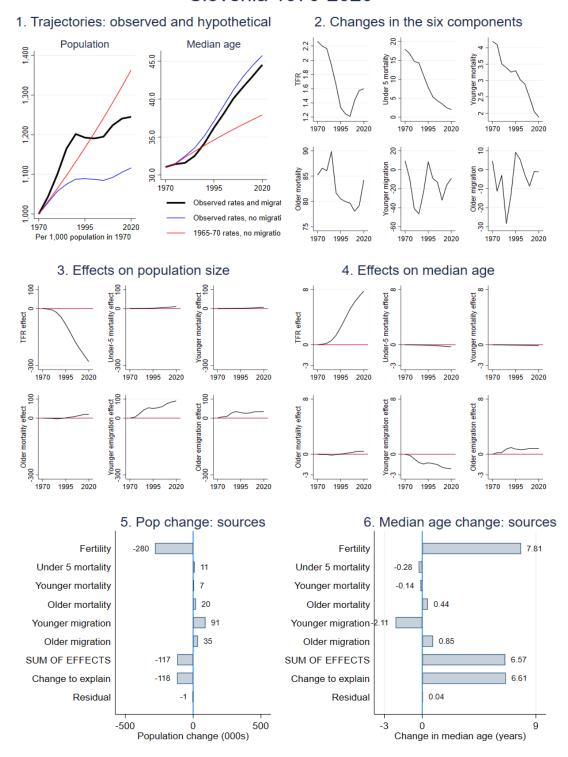
Change in population and median age: Portugal 1970-2020



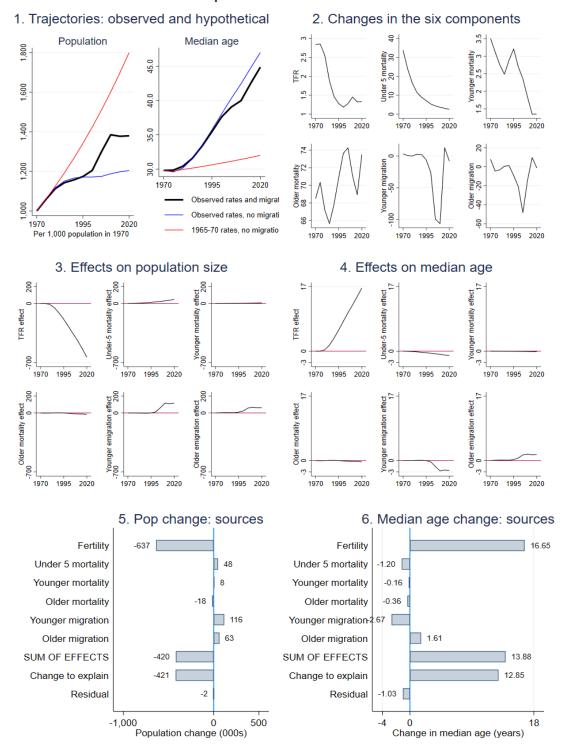
Change in population and median age: Serbia 1970-2020



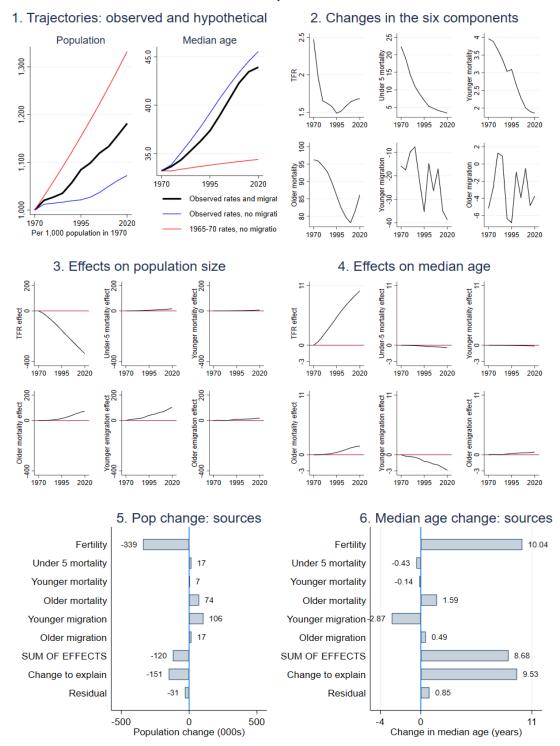
Change in population and median age: Slovenia 1970-2020



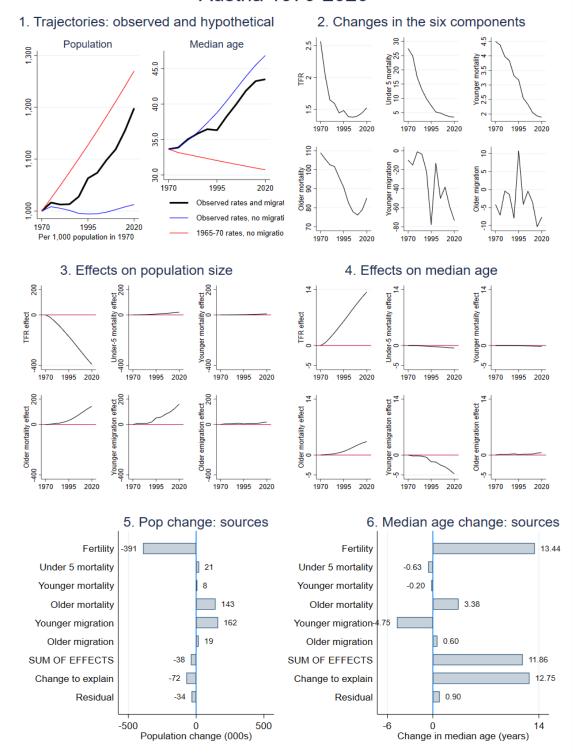
Change in population and median age: Spain 1970-2020



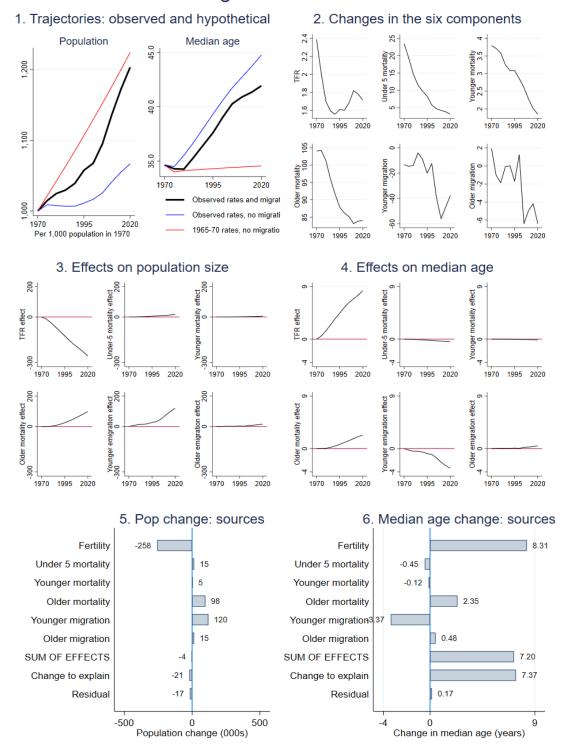
Change in population and median age: Western Europe 1970-2020



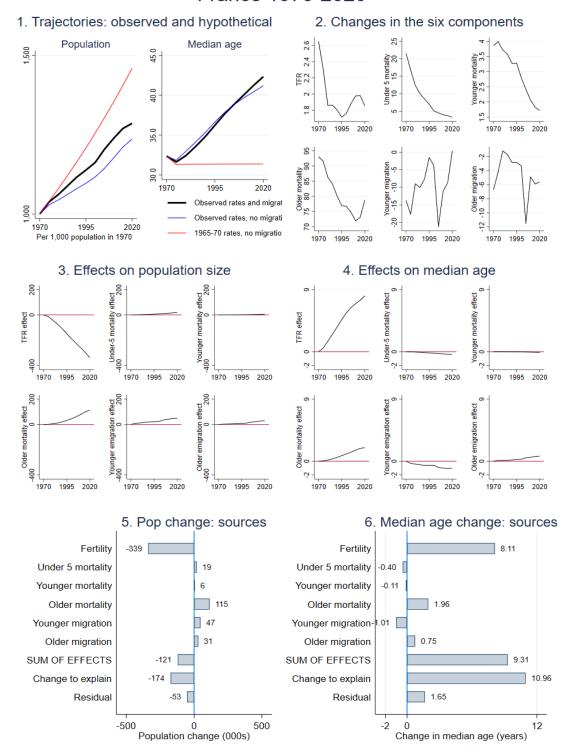
Change in population and median age: Austria 1970-2020



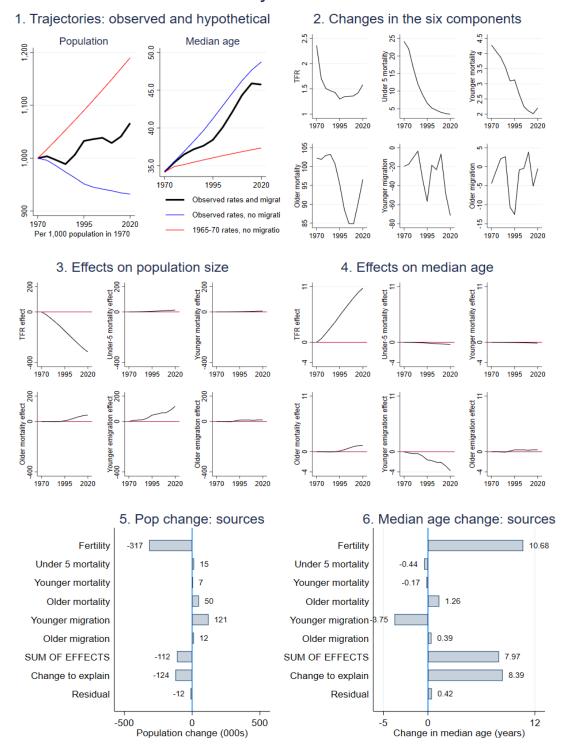
Change in population and median age: Belgium 1970-2020



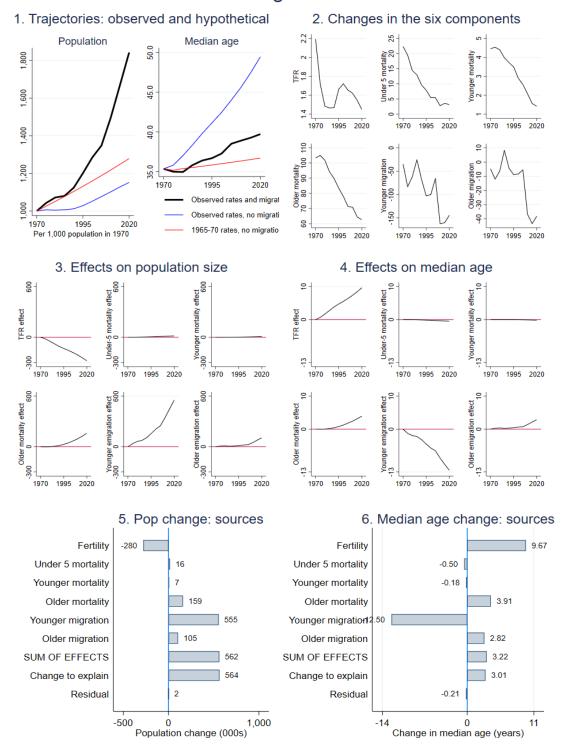
Change in population and median age: France 1970-2020



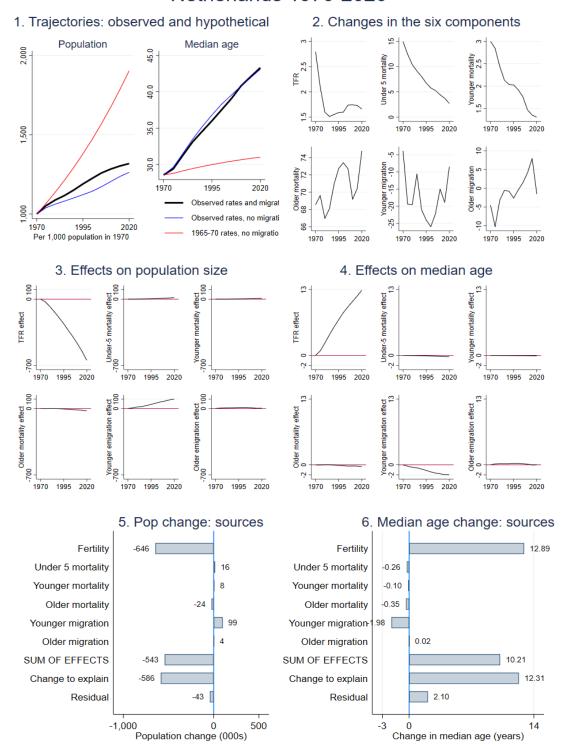
Change in population and median age: Germany 1970-2020



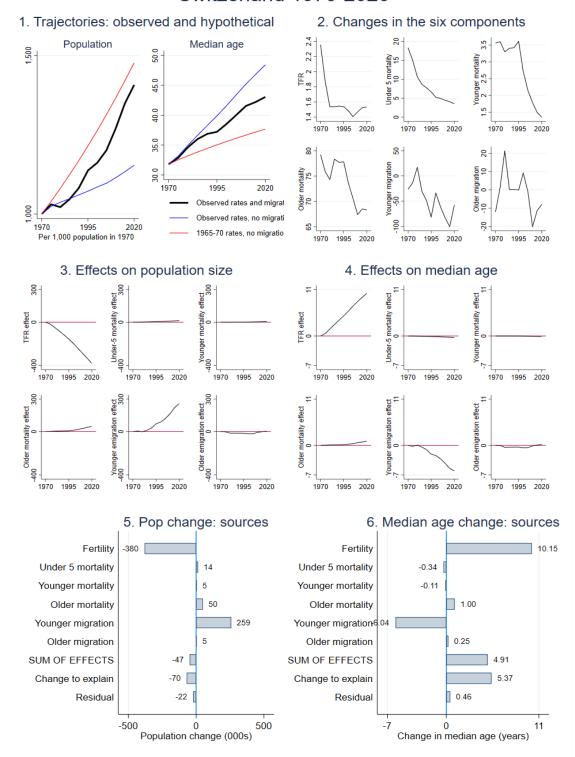
Change in population and median age: Luxembourg 1970-2020



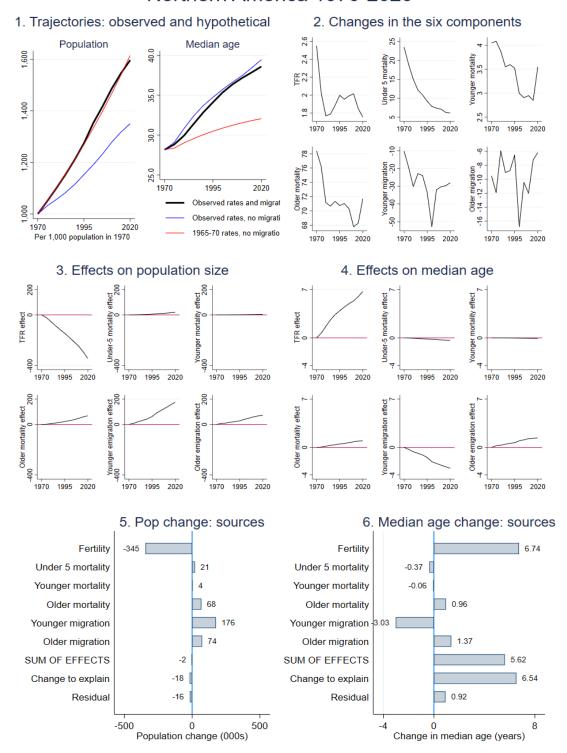
Change in population and median age: Netherlands 1970-2020



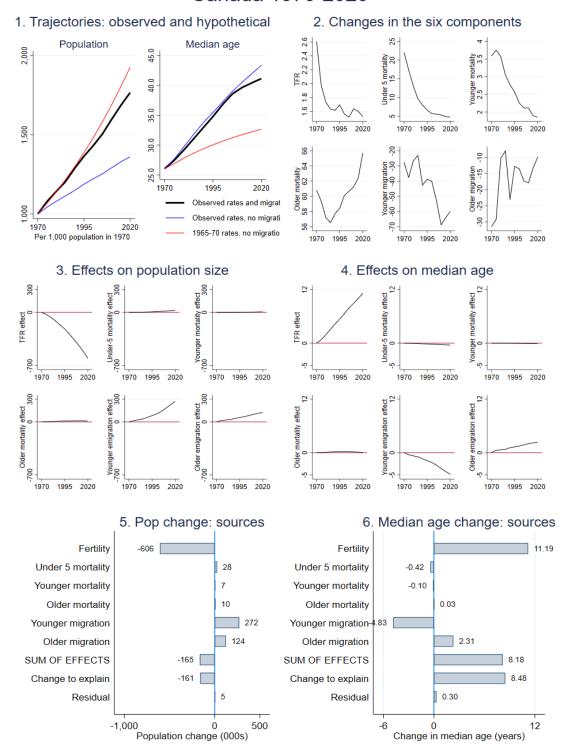
Change in population and median age: Switzerland 1970-2020



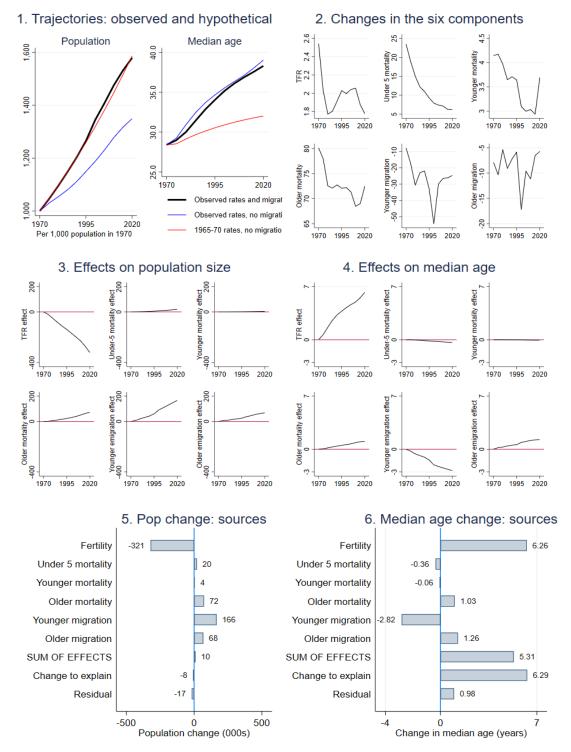
Change in population and median age: Northern America 1970-2020



Change in population and median age: Canada 1970-2020



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